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Quality: 9,575 global accepts · Rating: 900 · first AC: 2017-10-26 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

121.
839A
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122.
820A
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Kognition's solution

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814A
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Kognition's solution

124.
810A
Straight <<A>> · Tutorial
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125.
793A
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126.
801B
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Kognition's solution

127.
808A
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Kognition's solution

128.
807A
Is it rated? · Tutorial
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Kognition's solution

129.
1916B
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number theory
Kognition's solution

130.
1566C
MAX-MEX Cut · Tutorial
Quality: 19,040 global accepts · Rating: 1000 · first AC: 2021-09-12 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, dp, greedy
Kognition's solution

131.
1388B
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132.
1373A
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133.
1362A
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1358B
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Kognition's solution

135.
1342A
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136.
1333A
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137.
1326A
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1278A
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1266B
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140.
1266A
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1260A
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1257B
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143.
1153A
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144.
1140A
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145.
1111A
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Kognition's solution

146.
1100A
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Kognition's solution

147.
1101A
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Kognition's solution

148.
1033A
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1059A
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1027A
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151.
1020B
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1020A
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1008B
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998A
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991A
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156.
990A
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920A
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909A
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887A
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849A
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831A
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822B
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804A
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168.
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169.
805A
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170.
2195C
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171.
2184C
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Kognition's solution

172.
2184B
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Kognition's solution

173.
2130B
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Kognition's solution

174.
2131C
Make it Equal · Tutorial
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Kognition's solution

175.
2128B
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Kognition's solution

176.
1566D1
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Kognition's solution

177.
1463A
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Kognition's solution

178.
1375A
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Kognition's solution

179.
1370B
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180.
1366A
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Kognition's solution

181.
1365A
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Kognition's solution

182.
1342B
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Kognition's solution

183.
1333B
Kind Anton · Tutorial

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Kognition's solution

184.
1332A
Exercising Walk · Tutorial
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Kognition's solution

185.
1327A
Sum of Odd Integers · Tutorial
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Kognition's solution

186.
1304B
Longest Palindrome · Tutorial
Quality: 18,754 global accepts · Rating: 1100 · first AC: 2020-02-15 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, greedy, implementation, strings
Kognition's solution

187.
1119A
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Kognition's solution

188.
1132A
Regular Bracket Sequence · Tutorial
Quality: 10,179 global accepts · Rating: 1100 · first AC: 2019-03-05 · GNU C++11 (first AC) · Tags: greedy, implementation
Kognition's solution

189.
1105A
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Kognition's solution

190.
1105B
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Kognition's solution

191.
1033B
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Kognition's solution

192.
1060B
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Kognition's solution

193.
1042A
Benches · Tutorial
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Kognition's solution

194.
1038B
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195.
985A
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Quality: 8,424 global accepts · Rating: 1100 · first AC: 2018-05-23 · C++14 (GCC 6-32) (first AC) · Tags: implementation
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196.
984B
Minesweeper · Tutorial
Quality: 7,981 global accepts · Rating: 1100 · first AC: 2018-05-17 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

197.
950B
Intercepted Message · Tutorial
Quality: 8,000 global accepts · Rating: 1100 · first AC: 2018-03-09 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation
Kognition's solution

198.
946B
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Quality: 11,474 global accepts · Rating: 1100 · first AC: 2018-03-06 · C++14 (GCC 6-32) (first AC) · Tags: math, number theory
Kognition's solution

199.
919B
Perfect Number · Tutorial
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Kognition's solution

200.
911A
Nearest Minimums · Tutorial
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201.
902A
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Kognition's solution

202.
898B
Proper Nutrition · Tutorial
Quality: 10,649 global accepts · Rating: 1100 · first AC: 2017-12-16 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation, number theory
Kognition's solution

203.
789A
Anastasia and pebbles · Tutorial
Quality: 9,823 global accepts · Rating: 1100 · first AC: 2017-11-22 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math
Kognition's solution

204.
877A
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Kognition's solution

205.
861A
k-rounding · Tutorial
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Kognition's solution

206.
842B
Gleb And Pizza · Tutorial
Quality: 10,954 global accepts · Rating: 1100 · first AC: 2017-08-29 · C++14 (GCC 6-32) (first AC) · Tags: geometry
Kognition's solution

207.
767A
Snacktower · Tutorial
Quality: 22,693 global accepts · Rating: 1100 · first AC: 2017-08-01 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation
Kognition's solution

208.
835B
The number on the board · Tutorial
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Kognition's solution

209.
825A
Binary Protocol · Tutorial
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Kognition's solution

210.
813A
The Contest · Tutorial
Quality: 5,435 global accepts · Rating: 1100 · first AC: 2017-06-05 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

211.
801A
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212.
799A
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Kognition's solution

213.
797A
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Kognition's solution

214.
2135A
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Kognition's solution

215.
2113B
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Kognition's solution

216.
2134C
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217.
2134B
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218.
2128C
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219.
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1392C
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1399C
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1385C
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344B
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Kognition's solution

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1375B
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226.
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1362B
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1364A
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1270B
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1257C
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234.
1140D
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Kognition's solution

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1140B
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1131C
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1097B
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240.
1091B
New Year and the Treasure Geolocation · Tutorial
Quality: 11,012 global accepts · Rating: 1200 · first AC: 2018-12-30 · GNU C++11 (first AC) · Tags: brute force, constructive algorithms, greedy, implementation
Kognition's solution

241.
1042B
Vitamins · Tutorial
Quality: 19,152 global accepts · Rating: 1200 · first AC: 2018-09-17 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, dp, implementation
Kognition's solution

242.
1027B
Numbers on the Chessboard · Tutorial
Quality: 8,744 global accepts · Rating: 1200 · first AC: 2018-08-18 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math
Kognition's solution

243.
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
Kognition's solution

244.
1013B
And · Tutorial
Quality: 8,300 global accepts · Rating: 1200 · first AC: 2018-07-30 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

245.
998B
Cutting · Tutorial
Quality: 14,413 global accepts · Rating: 1200 · first AC: 2018-07-01 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, sortings
Kognition's solution

246.
990B
Micro-World · Tutorial
Quality: 8,617 global accepts · Rating: 1200 · first AC: 2018-06-10 · C++14 (GCC 6-32) (first AC) · Tags: greedy, sortings
Kognition's solution

247.
208D
Prizes, Prizes, more Prizes · Tutorial
Quality: 8,049 global accepts · Rating: 1200 · first AC: 2018-06-05 · C++14 (GCC 6-32) (first AC) · Tags: implementation

Kognition's solution

248.
854B
Maxim Buys an Apartment · Tutorial
Quality: 8,582 global accepts · Rating: 1200 · first AC: 2018-05-24 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math
Kognition's solution

249.
985B
Switches and Lamps · Tutorial
Quality: 7,879 global accepts · Rating: 1200 · first AC: 2018-05-23 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

250.
982A
Row · Tutorial
Quality: 9,712 global accepts · Rating: 1200 · first AC: 2018-05-19 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms
Kognition's solution

251.
977C
Less or Equal · Tutorial
Quality: 43,338 global accepts · Rating: 1200 · first AC: 2018-05-06 · C++14 (GCC 6-32) (first AC) · Tags: sortings
Kognition's solution

252.
960A
Check the string · Tutorial
Quality: 8,787 global accepts · Rating: 1200 · first AC: 2018-04-08 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

253.
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
Kognition's solution

254.
934B
A Prosperous Lot · Tutorial
Quality: 9,163 global accepts · Rating: 1200 · first AC: 2018-03-20 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

255.
931B
World Cup · Tutorial
Quality: 7,457 global accepts · Rating: 1200 · first AC: 2018-03-04 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

256.
940A
Points on the line · Tutorial
Quality: 8,815 global accepts · Rating: 1200 · first AC: 2018-03-02 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy, sortings
Kognition's solution

257.
776B
Sherlock and his girlfriend · Tutorial
Quality: 25,733 global accepts · Rating: 1200 · first AC: 2018-02-15 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, number theory
Kognition's solution

258.
920B
Tea Queue · Tutorial
Quality: 8,116 global accepts · Rating: 1200 · first AC: 2018-02-02 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

259.
708A
Letters Cyclic Shift · Tutorial
Quality: 9,800 global accepts · Rating: 1200 · first AC: 2018-01-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation, strings
Kognition's solution

260.
914B
Conan and Agasa play a Card Game · Tutorial
Quality: 9,066 global accepts · Rating: 1200 · first AC: 2018-01-20 · C++14 (GCC 6-32) (first AC) · Tags: games, greedy, implementation
Kognition's solution

261.
911B
Two Cakes · Tutorial
Quality: 12,807 global accepts · Rating: 1200 · first AC: 2018-01-16 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, implementation
Kognition's solution

262.
908B
New Year and Buggy Bot · Tutorial
Quality: 7,902 global accepts · Rating: 1200 · first AC: 2018-01-02 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
Kognition's solution

263.
903B
The Modcrab · Tutorial
Quality: 8,125 global accepts · Rating: 1200 · first AC: 2017-12-24 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation
Kognition's solution

264.
903C
Boxes Packing · Tutorial
Quality: 22,639 global accepts · Rating: 1200 · first AC: 2017-12-24 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

265.
902B
Coloring a Tree · Tutorial
Quality: 11,948 global accepts · Rating: 1200 · first AC: 2017-12-19 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dsu, greedy
Kognition's solution

266.
899B
Months and Years · Tutorial
Quality: 6,437 global accepts · Rating: 1200 · first AC: 2017-12-17 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

267.
895A
Pizza Separation · Tutorial
Quality: 6,910 global accepts · Rating: 1200 · first AC: 2017-11-29 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
Kognition's solution

268.
892B
Wrath · Tutorial
Quality: 9,989 global accepts · Rating: 1200 · first AC: 2017-11-21 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation, two pointers

Kognition's solution

269.
879B
Table Tennis · Tutorial
Quality: 14,407 global accepts · Rating: 1200 · first AC: 2017-10-26 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation
Kognition's solution

270.
842A
Kirill And The Game · Tutorial
Quality: 11,231 global accepts · Rating: 1200 · first AC: 2017-08-29 · C++14 (GCC 6-32) (first AC) · Tags: brute force, two pointers
Kognition's solution

271.
811B
Vladik and Complicated Book · Tutorial
Quality: 6,798 global accepts · Rating: 1200 · first AC: 2017-07-28 · C++14 (GCC 6-32) (first AC) · Tags: implementation, sortings
Kognition's solution

272.
828A
Restaurant Tables · Tutorial
Quality: 8,394 global accepts · Rating: 1200 · first AC: 2017-07-11 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

273.
817A
Treasure Hunt · Tutorial
Quality: 6,823 global accepts · Rating: 1200 · first AC: 2017-06-15 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math, number theory
Kognition's solution

274.
794B
Cutting Carrot · Tutorial
Quality: 7,270 global accepts · Rating: 1200 · first AC: 2017-05-16 · C++14 (GCC 6-32) (first AC) · Tags: geometry, math
Kognition's solution

275.
803B
Distances to Zero · Tutorial
Quality: 7,579 global accepts · Rating: 1200 · first AC: 2017-05-09 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms
Kognition's solution

276.
1178C
Tiles · Tutorial
Quality: 13,229 global accepts · Rating: 1300 · first AC: 2026-03-24 · C++23 (GCC 14-64, msys2) (first AC) · Tags: combinatorics, greedy, math
Kognition's solution

277.
2195D
Absolute Cinema · Tutorial
Quality: 13,672 global accepts · Rating: 1300 · first AC: 2026-02-16 · C++23 (GCC 14-64, msys2) (first AC) · Tags: math
Kognition's solution

278.
1220C
Substring Game in the Lesson · Tutorial
Quality: 10,815 global accepts · Rating: 1300 · first AC: 2025-08-14 · C++23 (GCC 14-64, msys2) (first AC) · Tags: games, greedy, strings
Kognition's solution

279.
2023A
Concatenation of Arrays · Tutorial
Quality: 16,571 global accepts · Rating: 1300 · first AC: 2025-08-13 · last AC: 2025-08-13 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, greedy, math, sortings

Kognition's solution

280.
2130C
Double Perspective · Tutorial
Rating: 1300 · first AC: 2025-08-02 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dsu, greedy
Kognition's solution

281.
1603A
Di-visible Confusion · Tutorial
Quality: 17,825 global accepts · Rating: 1300 · first AC: 2021-10-31 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, math, number theory
Kognition's solution

282.
1446A
Knapsack · Tutorial
Quality: 17,723 global accepts · Rating: 1300 · first AC: 2020-11-15 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, sortings
Kognition's solution

283.
1381A1
Prefix Flip (Easy Version) · Tutorial
Quality: 21,725 global accepts · Rating: 1300 · first AC: 2020-07-21 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, strings
Kognition's solution

284.
1007A
Reorder the Array · Tutorial
Quality: 13,069 global accepts · Rating: 1300 · first AC: 2020-06-30 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, data structures, math, sortings, two pointers
Kognition's solution

285.
1373C
Pluses and Minuses · Tutorial
Quality: 19,373 global accepts · Rating: 1300 · first AC: 2020-06-25 · C++17 (GCC 7-32) (first AC) · Tags: math
Kognition's solution

286.
1366B
Shuffle · Tutorial
Quality: 27,964 global accepts · Rating: 1300 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: math, two pointers
Kognition's solution

287.
1364B
Most socially-distanced subsequence · Tutorial
Quality: 26,189 global accepts · Rating: 1300 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: greedy, two pointers
Kognition's solution

288.
1367C
Social Distance · Tutorial
Quality: 25,107 global accepts · Rating: 1300 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, math
Kognition's solution

289.
1365B
Trouble Sort · Tutorial
Quality: 28,847 global accepts · Rating: 1300 · first AC: 2020-06-07 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

290.
1328B
K-th Beautiful String · Tutorial
Quality: 32,047 global accepts · Rating: 1300 · first AC: 2020-03-30 · C++17 (GCC 7-32) (first AC) · Tags: binary search, brute force, combinatorics, implementation, math
Kognition's solution

291.
1326C
Permutation Partitions · Tutorial
Quality: 16,402 global accepts · Rating: 1300 · first AC: 2020-03-19 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, greedy, math
Kognition's solution

292.
1307B
Cow and Friend · Tutorial
Quality: 13,856 global accepts · Rating: 1300 · first AC: 2020-02-17 · C++17 (GCC 7-32) (first AC) · Tags: geometry, greedy, math
Kognition's solution

293.
1285B
Just Eat It! · Tutorial
Quality: 30,842 global accepts · Rating: 1300 · first AC: 2020-01-12 · last AC: 2020-01-12 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy, implementation
Kognition's solution

294.
1265B
Beautiful Numbers · Tutorial
Quality: 13,525 global accepts · Rating: 1300 · first AC: 2019-12-09 · last AC: 2019-12-09 · C++17 (GCC 7-32) (first AC) · Tags: data structures, implementation, math, two pointers
Kognition's solution

295.
1260B
Obtain Two Zeroes · Tutorial
Quality: 16,715 global accepts · Rating: 1300 · first AC: 2019-11-27 · C++17 (GCC 7-32) (first AC) · Tags: binary search, math
Kognition's solution

296.
1237B
Balanced Tunnel · Tutorial
Quality: 22,784 global accepts · Rating: 1300 · first AC: 2019-10-16 · C++14 (GCC 6-32) (first AC) · Tags: data structures, sortings, two pointers
Kognition's solution

297.
1209B
Koala and Lights · Tutorial
Quality: 8,515 global accepts · Rating: 1300 · first AC: 2019-09-14 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math, number theory
Kognition's solution

298.
1119B
Alyona and a Narrow Fridge · Tutorial
Quality: 16,372 global accepts · Rating: 1300 · first AC: 2019-04-06 · GNU C++11 (first AC) · Tags: binary search, flows, greedy, sortings
Kognition's solution

299.
1100B
Build a Contest · Tutorial
Quality: 11,775 global accepts · Rating: 1300 · first AC: 2019-01-13 · GNU C++11 (first AC) · Tags: data structures, implementation
Kognition's solution

300.
1101B
Accordion · Tutorial

Quality: 11,117 global accepts · Rating: 1300 · first AC: 2019-01-12 · GNU C++11 (first AC) · Tags: greedy, implementation
Kognition's solution

301.
1096B
Substring Removal · Tutorial
Quality: 11,685 global accepts · Rating: 1300 · first AC: 2018-12-28 · GNU C++11 (first AC) · Tags: combinatorics, math, strings
Kognition's solution

302.
1059B
Forgery · Tutorial
Quality: 7,587 global accepts · Rating: 1300 · first AC: 2018-10-05 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

303.
1038C
Gambling · Tutorial
Quality: 9,814 global accepts · Rating: 1300 · first AC: 2018-09-06 · C++14 (GCC 6-32) (first AC) · Tags: greedy, sortings
Kognition's solution

304.
1008C
Reorder the Array · Tutorial
Rating: 1300 · first AC: 2018-07-13 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, math
Kognition's solution

305.
996B
World Cup · Tutorial
Quality: 9,899 global accepts · Rating: 1300 · first AC: 2018-06-24 · C++14 (GCC 6-32) (first AC) · Tags: binary search, math
Kognition's solution

306.
982B
Bus of Characters · Tutorial
Quality: 8,949 global accepts · Rating: 1300 · first AC: 2018-05-19 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy, implementation
Kognition's solution

307.
962B
Students in Railway Carriage · Tutorial
Quality: 8,035 global accepts · Rating: 1300 · first AC: 2018-04-10 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation
Kognition's solution

308.
962A
Equator · Tutorial
Quality: 13,432 global accepts · Rating: 1300 · first AC: 2018-04-10 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

309.
956A
Mystical Mosaic · Tutorial
Rating: 1300 · first AC: 2018-04-05 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation
Kognition's solution

310.
946C
String Transformation · Tutorial
Quality: 9,380 global accepts · Rating: 1300 · first AC: 2018-03-06 · C++14 (GCC 6-32) (first AC) · Tags: greedy, strings
Kognition's solution

311.
932B
Recursive Queries · Tutorial

Quality: 9,262 global accepts · Rating: 1300 · first AC: 2018-02-15 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, dfs and similar
Kognition's solution

312.
919C
Seat Arrangements · Tutorial
Quality: 9,430 global accepts · Rating: 1300 · first AC: 2018-01-31 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
Kognition's solution

313.
900B
Position in Fraction · Tutorial
Quality: 8,377 global accepts · Rating: 1300 · first AC: 2018-01-18 · C++14 (GCC 6-32) (first AC) · Tags: math, number theory
Kognition's solution

314.
915B
Browser · Tutorial
Quality: 8,400 global accepts · Rating: 1300 · first AC: 2018-01-13 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

315.
912B
New Year's Eve · Tutorial
Quality: 13,839 global accepts · Rating: 1300 · first AC: 2018-01-08 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms, number theory
Kognition's solution

316.
909B
Segments · Tutorial
Quality: 6,762 global accepts · Rating: 1300 · first AC: 2018-01-04 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math
Kognition's solution

317.
907A
Masha and Bears · Tutorial
Quality: 5,961 global accepts · Rating: 1300 · first AC: 2017-12-24 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
Kognition's solution

318.
899C
Dividing the numbers · Tutorial
Quality: 9,046 global accepts · Rating: 1300 · first AC: 2017-12-17 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, graphs, math
Kognition's solution

319.
887B
Cubes for Masha · Tutorial
Quality: 5,955 global accepts · Rating: 1300 · first AC: 2017-11-06 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
Kognition's solution

320.
862B
Mahmoud and Ehab and the bipartiteness · Tutorial
Quality: 25,657 global accepts · Rating: 1300 · first AC: 2017-09-19 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs, trees
Kognition's solution

321.
828B
Black Square · Tutorial
Quality: 6,124 global accepts · Rating: 1300 · first AC: 2017-07-11 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

322.
821B
Okabe and Banana Trees · Tutorial
Quality: 6,051 global accepts · Rating: 1300 · first AC: 2017-06-25 · C++14 (GCC 6-32) (first AC) · Tags: brute force, math
Kognition's solution

323.
796B
Find The Bone · Tutorial
Quality: 9,735 global accepts · Rating: 1300 · first AC: 2017-05-16 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

324.
808B
Average Sleep Time · Tutorial
Quality: 14,881 global accepts · Rating: 1300 · first AC: 2017-05-15 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation, math
Kognition's solution

325.
807B
T-Shirt Hunt · Tutorial
Quality: 3,667 global accepts · Rating: 1300 · first AC: 2017-05-08 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
Kognition's solution

326.
2209C
Find the Zero · Tutorial
Quality: 10,659 global accepts · Rating: 1400 · first AC: 2026-03-22 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, interactive
Kognition's solution

327.
2133C
The Nether · Tutorial
Quality: 12,797 global accepts · Rating: 1400 · first AC: 2025-08-24 · C++23 (GCC 14-64, msys2) (first AC) · Tags: graphs, interactive
Kognition's solution

328.
1324D
Pair of Topics · Tutorial
Quality: 34,100 global accepts · Rating: 1400 · first AC: 2025-08-14 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, data structures, sortings, two pointers
Kognition's solution

329.
1468C
Berpizza · Tutorial
Quality: 10,508 global accepts · Rating: 1400 · first AC: 2020-12-27 · C++17 (GCC 7-32) (first AC) · Tags: data structures, implementation
Kognition's solution

330.
1463B
Find The Array · Tutorial
Quality: 21,169 global accepts · Rating: 1400 · first AC: 2020-12-19 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, greedy
Kognition's solution

331.
1427B
Chess Cheater · Tutorial
Quality: 11,459 global accepts · Rating: 1400 · first AC: 2020-10-10 · C++17 (GCC 7-32) (first AC) · Tags: greedy, implementation, sortings
Kognition's solution

332.
337B
Routine Problem · Tutorial

Quality: 10,064 global accepts · Rating: 1400 · first AC: 2020-09-05 · C++17 (GCC 7-32) (first AC) · Tags: greedy, math, number theory
Kognition's solution

333.
1375C
Element Extermination · Tutorial
Quality: 22,951 global accepts · Rating: 1400 · first AC: 2020-07-04 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, greedy
Kognition's solution

334.
1363B
Subsequence Hate · Tutorial
Quality: 26,133 global accepts · Rating: 1400 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: implementation, strings
Kognition's solution

335.
1362C
Johnny and Another Rating Drop · Tutorial
Quality: 23,713 global accepts · Rating: 1400 · first AC: 2020-06-17 · last AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, greedy, math
Kognition's solution

336.
1365C
Rotation Matching · Tutorial
Quality: 24,984 global accepts · Rating: 1400 · first AC: 2020-06-07 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, greedy, implementation
Kognition's solution

337.
1348B
Phoenix and Beauty · Tutorial
Quality: 27,495 global accepts · Rating: 1400 · first AC: 2020-05-01 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, greedy, sortings
Kognition's solution

338.
1332B
Composite Coloring · Tutorial
Quality: 18,955 global accepts · Rating: 1400 · first AC: 2020-03-31 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, greedy, math, number theory
Kognition's solution

339.
1312C
Adding Powers · Tutorial
Quality: 18,349 global accepts · Rating: 1400 · first AC: 2020-03-10 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, greedy, implementation, math, number theory, ternary search
Kognition's solution

340.
1285C
Fadi and LCM · Tutorial
Quality: 28,145 global accepts · Rating: 1400 · first AC: 2020-01-12 · C++17 (GCC 7-32) (first AC) · Tags: brute force, math, number theory
Kognition's solution

341.
1270C
Make Good · Tutorial
Quality: 15,040 global accepts · Rating: 1400 · first AC: 2019-12-29 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, math
Kognition's solution

342.
1266C
Diverse Matrix · Tutorial

Quality: 10,068 global accepts · Rating: 1400 · first AC: 2019-12-17 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, math, number theory
Kognition's solution

343.
1276A
As Simple as One and Two · Tutorial
Quality: 12,950 global accepts · Rating: 1400 · first AC: 2019-12-14 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy
Kognition's solution

344.
1131B
Draw! · Tutorial
Quality: 10,390 global accepts · Rating: 1400 · first AC: 2019-02-23 · GNU C++11 (first AC) · Tags: greedy, implementation
Kognition's solution

345.
1110B
Tape · Tutorial
Quality: 16,600 global accepts · Rating: 1400 · first AC: 2019-02-07 · GNU C++11 (first AC) · Tags: greedy, sortings
Kognition's solution

346.
1104C
Grid game · Tutorial
Rating: 1400 · first AC: 2019-01-22 · GNU C++11 (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

347.
1097C
Yuhao and a Parenthesis · Tutorial
Quality: 8,785 global accepts · Rating: 1400 · first AC: 2019-01-04 · GNU C++11 (first AC) · Tags: greedy, implementation
Kognition's solution

348.
1091C
New Year and the Sphere Transmission · Tutorial
Quality: 10,558 global accepts · Rating: 1400 · first AC: 2018-12-30 · GNU C++11 (first AC) · Tags: math, number theory
Kognition's solution

349.
1061B
Views Matter · Tutorial
Quality: 7,643 global accepts · Rating: 1400 · first AC: 2018-11-22 · GNU C++11 (first AC) · Tags: greedy, implementation, sortings
Kognition's solution

350.
1004C
Sonya and Robots · Tutorial
Quality: 7,881 global accepts · Rating: 1400 · first AC: 2018-07-06 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

351.
996D
Suit and Tie · Tutorial
Rating: 1400 · first AC: 2018-06-24 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy, math
Kognition's solution

352.
994B
Knights of a Polygonal Table · Tutorial
Quality: 6,047 global accepts · Rating: 1400 · first AC: 2018-06-16 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation, sortings
Kognition's solution

353.
182D
Common Divisors · Tutorial
Quality: 9,244 global accepts · Rating: 1400 · first AC: 2018-06-07 · C++14 (GCC 6-32) (first AC) · Tags: brute force, hashing, implementation, math, strings
Kognition's solution

354.
414B
Mashmokh and ACM · Tutorial
Quality: 29,192 global accepts · Rating: 1400 · first AC: 2018-06-05 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, number theory
Kognition's solution

355.
479C
Exams · Tutorial
Quality: 33,075 global accepts · Rating: 1400 · first AC: 2018-06-05 · C++14 (GCC 6-32) (first AC) · Tags: greedy, sortings
Kognition's solution

356.
401C
Team · Tutorial
Quality: 21,703 global accepts · Rating: 1400 · first AC: 2018-06-05 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation
Kognition's solution

357.
489C
Given Length and Sum of Digits... · Tutorial
Quality: 51,685 global accepts · Rating: 1400 · first AC: 2018-06-05 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, implementation
Kognition's solution

358.
981C
Useful Decomposition · Tutorial
Quality: 6,857 global accepts · Rating: 1400 · first AC: 2018-05-27 · C++14 (GCC 6-32) (first AC) · Tags: implementation, trees
Kognition's solution

359.
977D
Divide by three, multiply by two · Tutorial
Quality: 20,529 global accepts · Rating: 1400 · first AC: 2018-05-06 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, math, sortings
Kognition's solution

360.
962C
Make a Square · Tutorial
Quality: 8,357 global accepts · Rating: 1400 · first AC: 2018-04-10 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation, math
Kognition's solution

361.
954B
String Typing · Tutorial
Quality: 7,791 global accepts · Rating: 1400 · first AC: 2018-03-22 · C++14 (GCC 6-32) (first AC) · Tags: implementation, strings
Kognition's solution

362.
940B
Our Tanya is Crying Out Loud · Tutorial
Quality: 9,507 global accepts · Rating: 1400 · first AC: 2018-03-05 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy
Kognition's solution

363.
937B
Vile Grasshoppers · Tutorial
Quality: 7,258 global accepts · Rating: 1400 · first AC: 2018-03-01 · C++14 (GCC 6-32) (first AC) · Tags: brute force, math, number theory

Kognition's solution

364.
920C
Swap Adjacent Elements · Tutorial
Quality: 9,974 global accepts · Rating: 1400 · first AC: 2018-02-02 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, greedy, math, sortings, two pointers
Kognition's solution

365.
911C
Three Garlands · Tutorial
Quality: 7,334 global accepts · Rating: 1400 · first AC: 2018-01-16 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms
Kognition's solution

366.
907B
Tic-Tac-Toe · Tutorial
Quality: 4,228 global accepts · Rating: 1400 · first AC: 2017-12-24 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

367.
898C
Phone Numbers · Tutorial
Quality: 5,793 global accepts · Rating: 1400 · first AC: 2017-12-16 · C++14 (GCC 6-32) (first AC) · Tags: implementation, strings
Kognition's solution

368.
844C
Sorting by Subsequences · Tutorial
Rating: 1400 · first AC: 2017-08-24 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, math
Kognition's solution

369.
808C
Tea Party · Tutorial
Quality: 6,980 global accepts · Rating: 1400 · first AC: 2017-05-15 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, sortings
Kognition's solution

370.
799B
T-shirt buying · Tutorial
Quality: 10,177 global accepts · Rating: 1400 · first AC: 2017-05-11 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation
Kognition's solution

371.
797B
Odd sum · Tutorial
Quality: 11,520 global accepts · Rating: 1400 · first AC: 2017-05-10 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, implementation
Kognition's solution

372.
803A
Maximal Binary Matrix · Tutorial
Quality: 5,359 global accepts · Rating: 1400 · first AC: 2017-05-09 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms
Kognition's solution

373.
804B
Minimum number of steps · Tutorial
Quality: 10,163 global accepts · Rating: 1400 · first AC: 2017-05-09 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, greedy, implementation, math
Kognition's solution

374.
2205C
Simons and Posting Blogs · Tutorial
Quality: 7,742 global accepts · Rating: 1500 · first AC: 2026-03-07 · C++23 (GCC 14-64, msys2) (first AC) · Tags: greedy, sortings
Kognition's solution

375.
1178D
Prime Graph · Tutorial
Quality: 7,925 global accepts · Rating: 1500 · first AC: 2026-02-26 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, greedy, math, number theory
Kognition's solution

376.
2195E
Idiot First Search · Tutorial
Quality: 8,559 global accepts · Rating: 1500 · first AC: 2026-02-16 · C++23 (GCC 14-64, msys2) (first AC) · Tags: dfs and similar, dp, trees
Kognition's solution

377.
2115A
Gellyfish and Flaming Peony · Tutorial
Quality: 14,960 global accepts · Rating: 1500 · first AC: 2025-09-04 · last AC: 2025-09-04 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, dp, math, number theory
Kognition's solution

378.
1817A
Almost Increasing Subsequence · Tutorial
Quality: 12,758 global accepts · Rating: 1500 · first AC: 2023-04-29 · C++17 (GCC 7-32) (first AC) · Tags: binary search, data structures, greedy
Kognition's solution

379.
1416A
k-Amazing Numbers · Tutorial
Quality: 16,726 global accepts · Rating: 1500 · first AC: 2020-09-27 · C++17 (GCC 7-32) (first AC) · Tags: binary search, data structures, implementation, two pointers
Kognition's solution

380.
1404A
Balanced Bitstring · Tutorial
Quality: 19,393 global accepts · Rating: 1500 · first AC: 2020-09-06 · C++17 (GCC 7-32) (first AC) · Tags: implementation, strings
Kognition's solution

381.
144C
Anagram Search · Tutorial
Quality: 4,264 global accepts · Rating: 1500 · first AC: 2020-08-27 · C++17 (GCC 7-32) (first AC) · Tags: implementation, strings
Kognition's solution

382.
24B
F1 Champions · Tutorial
Quality: 2,036 global accepts · Rating: 1500 · first AC: 2020-08-19 · C++17 (GCC 7-32) (first AC) · Tags: implementation
Kognition's solution

383.
1391C
Cyclic Permutations · Tutorial
Quality: 16,028 global accepts · Rating: 1500 · first AC: 2020-08-10 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, dp, graphs, math
Kognition's solution

384.
1399D
Binary String To Subsequences · Tutorial

Quality: 19,902 global accepts · Rating: 1500 · first AC: 2020-08-07 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, greedy, implementation
Kognition's solution

385.
1389C
Good String · Tutorial
Quality: 20,565 global accepts · Rating: 1500 · first AC: 2020-07-29 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dp, greedy, two pointers
Kognition's solution

386.
1385D
a-Good String · Tutorial
Quality: 21,966 global accepts · Rating: 1500 · first AC: 2020-07-17 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, brute force, divide and conquer, dp, implementation
Kognition's solution

387.
1010A
Fly · Tutorial
Quality: 9,004 global accepts · Rating: 1500 · first AC: 2020-06-30 · C++17 (GCC 7-32) (first AC) · Tags: binary search, math
Kognition's solution

388.
1368C
Even Picture · Tutorial
Quality: 14,032 global accepts · Rating: 1500 · first AC: 2020-06-18 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms
Kognition's solution

389.
1368B
Codeforces Subsequences · Tutorial
Quality: 21,442 global accepts · Rating: 1500 · first AC: 2020-06-18 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, greedy, math, strings
Kognition's solution

390.
1366C
Palindromic Paths · Tutorial
Quality: 14,261 global accepts · Rating: 1500 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: greedy, math
Kognition's solution

391.
1340A
Nastya and Strange Generator · Tutorial
Quality: 13,691 global accepts · Rating: 1500 · first AC: 2020-05-05 · C++17 (GCC 7-32) (first AC) · Tags: brute force, data structures, greedy, implementation
Kognition's solution

392.
527C
Glass Carving · Tutorial
Quality: 7,534 global accepts · Rating: 1500 · first AC: 2020-03-27 · last AC: 2020-04-17 · C++17 (GCC 7-32) (first AC) · Tags: binary search, data structures, implementation
Kognition's solution

393.
1338A
Powered Addition · Tutorial
Quality: 30,349 global accepts · Rating: 1500 · first AC: 2020-04-12 · C++17 (GCC 7-32) (first AC) · Tags: greedy, math
Kognition's solution

394.
1332C
K-Complete Word · Tutorial
Quality: 20,864 global accepts · Rating: 1500 · first AC: 2020-03-31 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, dsu, greedy,

implementation, strings
Kognition's solution

395.
1326D1
Prefix-Suffix Palindrome (Easy version) · Tutorial
Quality: 13,296 global accepts · Rating: 1500 · first AC: 2020-03-19 · C++17 (GCC 7-32) (first AC) · Tags: hashing, string suffix structures, strings
Kognition's solution

396.
1307C
Cow and Message · Tutorial
Quality: 12,592 global accepts · Rating: 1500 · first AC: 2020-02-17 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dp, math, strings
Kognition's solution

397.
1304C
Air Conditioner · Tutorial
Quality: 17,749 global accepts · Rating: 1500 · first AC: 2020-02-15 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy, implementation, sortings, two pointers
Kognition's solution

398.
1301B
Motarack's Birthday · Tutorial
Quality: 14,970 global accepts · Rating: 1500 · first AC: 2020-02-13 · C++17 (GCC 7-32) (first AC) · Tags: binary search, greedy, ternary search
Kognition's solution

399.
1299A
Anu Has a Function · Tutorial
Quality: 12,551 global accepts · Rating: 1500 · first AC: 2020-02-09 · C++17 (GCC 7-32) (first AC) · Tags: brute force, greedy, math
Kognition's solution

400.
1278B
A and B · Tutorial
Quality: 14,178 global accepts · Rating: 1500 · first AC: 2019-12-21 · C++17 (GCC 7-32) (first AC) · Tags: greedy, math
Kognition's solution

401.
1264A
Beautiful Regional Contest · Tutorial
Quality: 10,440 global accepts · Rating: 1500 · first AC: 2019-12-05 · C++17 (GCC 7-32) (first AC) · Tags: greedy, implementation
Kognition's solution

402.
276C
Little Girl and Maximum Sum · Tutorial
Quality: 39,559 global accepts · Rating: 1500 · first AC: 2019-11-26 · C++17 (GCC 7-32) (first AC) · Tags: data structures, greedy, implementation, sortings
Kognition's solution

403.
702B
Powers of Two · Tutorial
Quality: 13,634 global accepts · Rating: 1500 · first AC: 2019-11-22 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, implementation, math
Kognition's solution

404.
455A
Boredom · Tutorial
Quality: 71,997 global accepts · Rating: 1500 · first AC: 2018-06-05 · last AC: 2019-11-20 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

405.
1242A
Tile Painting · Tutorial
Quality: 13,267 global accepts · Rating: 1500 · first AC: 2019-11-06 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math, number theory
Kognition's solution

406.
1209C
Paint the Digits · Tutorial
Quality: 7,860 global accepts · Rating: 1500 · first AC: 2019-09-14 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation
Kognition's solution

407.
1154D
Walking Robot · Tutorial
Quality: 10,546 global accepts · Rating: 1500 · first AC: 2019-04-16 · GNU C++11 (first AC) · Tags: greedy
Kognition's solution

408.
1119C
Ramesses and Corner Inversion · Tutorial
Quality: 7,178 global accepts · Rating: 1500 · first AC: 2019-04-06 · GNU C++11 (first AC) · Tags: constructive algorithms, greedy, implementation, math
Kognition's solution

409.
1114B
Yet Another Array Partitioning Task · Tutorial
Quality: 9,392 global accepts · Rating: 1500 · first AC: 2019-02-13 · GNU C++11 (first AC) · Tags: constructive algorithms, greedy, sortings
Kognition's solution

410.
1110C
Meaningless Operations · Tutorial
Quality: 10,014 global accepts · Rating: 1500 · first AC: 2019-02-07 · GNU C++11 (first AC) · Tags: constructive algorithms, math, number theory
Kognition's solution

411.
1106B
Lunar New Year and Food Ordering · Tutorial
Quality: 6,997 global accepts · Rating: 1500 · first AC: 2019-01-31 · GNU C++11 (first AC) · Tags: data structures, implementation
Kognition's solution

412.
1106D
Lunar New Year and a Wander · Tutorial
Quality: 19,662 global accepts · Rating: 1500 · first AC: 2019-01-31 · GNU C++11 (first AC) · Tags: data structures, dfs and similar, graphs, greedy, shortest paths
Kognition's solution

413.
1084C
The Fair Nut and String · Tutorial
Quality: 11,664 global accepts · Rating: 1500 · first AC: 2019-01-26 · GNU C++11 (first AC) · Tags: combinatorics, dp, implementation
Kognition's solution

414.
1105C
Ayoub and Lost Array · Tutorial
Quality: 11,368 global accepts · Rating: 1500 · first AC: 2019-01-20 · GNU C++11 (first AC) · Tags: combinatorics, dp, math
Kognition's solution

415.
1101E
Polycarp's New Job · Tutorial
Quality: 8,259 global accepts · Rating: 1500 · first AC: 2019-01-11 · last AC: 2019-01-11 · GNU C++11 (first AC) · Tags: implementation
Kognition's solution

416.
1101C
Division and Union · Tutorial
Quality: 12,040 global accepts · Rating: 1500 · first AC: 2019-01-11 · GNU C++11 (first AC) · Tags: sortings
Kognition's solution

417.
91B
Queue · Tutorial
Quality: 7,739 global accepts · Rating: 1500 · first AC: 2018-09-07 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures
Kognition's solution

418.
329B
Biridian Forest · Tutorial
Quality: 7,497 global accepts · Rating: 1500 · first AC: 2018-09-03 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, shortest paths
Kognition's solution

419.
1013C
Photo of The Sky · Tutorial
Rating: 1500 · first AC: 2018-07-30 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math
Kognition's solution

420.
998C
Convert to Ones · Tutorial
Rating: 1500 · first AC: 2018-07-01 · C++14 (GCC 6-32) (first AC) · Tags: math
Kognition's solution

421.
991D
Bishwock · Tutorial
Quality: 7,736 global accepts · Rating: 1500 · first AC: 2018-06-23 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy
Kognition's solution

422.
991C
Candies · Tutorial
Quality: 11,514 global accepts · Rating: 1500 · first AC: 2018-06-23 · C++14 (GCC 6-32) (first AC) · Tags: binary search, implementation
Kognition's solution

423.
990C
Bracket Sequences Concatenation Problem · Tutorial
Quality: 6,293 global accepts · Rating: 1500 · first AC: 2018-06-10 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

424.
264B
Good Sequences · Tutorial
Quality: 12,022 global accepts · Rating: 1500 · first AC: 2018-06-08 · C++14 (GCC 6-32) (first AC) · Tags: dp, number theory
Kognition's solution

425.
854C
Planning · Tutorial
Rating: 1500 · first AC: 2018-05-24 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

426.
985C
Liebig's Barrels · Tutorial
Quality: 5,975 global accepts · Rating: 1500 · first AC: 2018-05-23 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

427.
982C
Cut 'em all! · Tutorial
Quality: 15,863 global accepts · Rating: 1500 · first AC: 2018-05-19 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, graphs, greedy, trees
Kognition's solution

428.
977E
Cyclic Components · Tutorial
Quality: 25,623 global accepts · Rating: 1500 · first AC: 2018-05-06 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dsu, graphs
Kognition's solution

429.
960B
Minimize the error · Tutorial
Quality: 12,398 global accepts · Rating: 1500 · first AC: 2018-04-08 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy, sortings
Kognition's solution

430.
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
Kognition's solution

431.
940C
Phone Numbers · Tutorial
Quality: 6,684 global accepts · Rating: 1500 · first AC: 2018-03-05 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation, strings
Kognition's solution

432.
931D
Peculiar apple-tree · Tutorial
Rating: 1500 · first AC: 2018-03-04 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs, trees
Kognition's solution

433.
908C
New Year and Curling · Tutorial
Quality: 7,204 global accepts · Rating: 1500 · first AC: 2018-01-02 · C++14 (GCC 6-32) (first AC) · Tags: brute force, geometry, implementation, math
Kognition's solution

434.
902C
Hashing Trees · Tutorial
Rating: 1500 · first AC: 2017-12-19 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms
Kognition's solution

435.
892C
Pride · Tutorial
Rating: 1500 · first AC: 2017-11-21 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

436.
887C
Solution for Cube · Tutorial

Quality: 2,976 global accepts · Rating: 1500 · first AC: 2017-11-06 · last AC: 2017-11-06 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
Kognition's solution

437.
877B
Nikita and string · Tutorial
Quality: 11,928 global accepts · Rating: 1500 · first AC: 2017-11-04 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dp
Kognition's solution

438.
861C
Did you mean... · Tutorial
Rating: 1500 · first AC: 2017-09-17 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation, strings
Kognition's solution

439.
861B
Which floor? · Tutorial
Rating: 1500 · first AC: 2017-09-17 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
Kognition's solution

440.
839C
Journey · Tutorial
Quality: 20,098 global accepts · Rating: 1500 · first AC: 2017-08-13 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, graphs, probabilities, trees
Kognition's solution

441.
809A
Do you want a date? · Tutorial
Quality: 4,875 global accepts · Rating: 1500 · first AC: 2017-07-28 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math, sortings
Kognition's solution

442.
825D
Suitable Replacement · Tutorial
Quality: 3,728 global accepts · Rating: 1500 · first AC: 2017-07-17 · C++14 (GCC 6-32) (first AC) · Tags: binary search, greedy, implementation
Kognition's solution

443.
817B
Makes And The Product · Tutorial
Quality: 6,429 global accepts · Rating: 1500 · first AC: 2017-06-17 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, implementation, math, sortings
Kognition's solution

444.
2184D
Unfair Game · Tutorial
Quality: 9,504 global accepts · Rating: 1600 · first AC: 2026-01-14 · C++23 (GCC 14-64, msys2) (first AC) · Tags: combinatorics, dp, math
Kognition's solution

445.
510C
Fox And Names · Tutorial
Quality: 22,172 global accepts · Rating: 1600 · first AC: 2025-08-14 · C++23 (GCC 14-64, msys2) (first AC) · Tags: dfs and similar, graphs, sortings
Kognition's solution

446.
2129B
Stay or Mirror · Tutorial
Quality: 13,278 global accepts · Rating: 1600 · first AC: 2025-08-02 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, dp, greedy, sortings

Kognition's solution

447.
2128D
Sum of LDS · Tutorial
Quality: 12,294 global accepts · Rating: 1600 · first AC: 2025-07-27 · C++20 (GCC 13-64) (first AC) · Tags: brute force, combinatorics, dp, greedy, math
Kognition's solution

448.
2046B
Move Back at a Cost · Tutorial
Quality: 10,870 global accepts · Rating: 1600 · first AC: 2025-05-30 · C++20 (GCC 13-64) (first AC) · Tags: binary search, data structures, greedy, sortings
Kognition's solution

449.
1566D2
Seating Arrangements (hard version) · Tutorial
Quality: 8,335 global accepts · Rating: 1600 · first AC: 2021-09-12 · C++17 (GCC 7-32) (first AC) · Tags: data structures, greedy, implementation, sortings, two pointers
Kognition's solution

450.
1483A
Basic Diplomacy · Tutorial
Rating: 1600 · first AC: 2021-03-21 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, implementation
Kognition's solution

451.
1468K
The Robot · Tutorial
Quality: 5,604 global accepts · Rating: 1600 · first AC: 2020-12-27 · C++17 (GCC 7-32) (first AC) · Tags: brute force, implementation
Kognition's solution

452.
1396A
Multiples of Length · Tutorial
Quality: 16,684 global accepts · Rating: 1600 · first AC: 2020-08-30 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, number theory
Kognition's solution

453.
518A
Vitaly and Strings · Tutorial
Quality: 9,541 global accepts · Rating: 1600 · first AC: 2020-08-28 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, strings
Kognition's solution

454.
1398C
Good Subarrays · Tutorial
Quality: 36,633 global accepts · Rating: 1600 · first AC: 2020-08-14 · last AC: 2020-08-14 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dp, math
Kognition's solution

455.
344D
Alternating Current · Tutorial
Rating: 1600 · first AC: 2020-07-10 · C++17 (GCC 7-32) (first AC) · Tags: data structures, greedy, implementation
Kognition's solution

456.
344C
Rational Resistance · Tutorial
Rating: 1600 · first AC: 2020-07-10 · C++17 (GCC 7-32) (first AC) · Tags: math, number theory
Kognition's solution

457.
1148B
Born This Way · Tutorial
Quality: 7,941 global accepts · Rating: 1600 · first AC: 2020-07-08 · C++17 (GCC 7-32) (first AC) · Tags: binary search, brute force, two pointers
Kognition's solution

458.
1188A1
Add on a Tree · Tutorial
Quality: 8,935 global accepts · Rating: 1600 · first AC: 2020-06-29 · C++17 (GCC 7-32) (first AC) · Tags: trees
Kognition's solution

459.
1374E1
Reading Books (easy version) · Tutorial
Quality: 14,977 global accepts · Rating: 1600 · first AC: 2020-06-29 · C++17 (GCC 7-32) (first AC) · Tags: data structures, greedy, sortings
Kognition's solution

460.
1373D
Maximum Sum on Even Positions · Tutorial
Quality: 17,670 global accepts · Rating: 1600 · first AC: 2020-06-25 · C++17 (GCC 7-32) (first AC) · Tags: divide and conquer, dp, greedy, implementation
Kognition's solution

461.
1363C
Game On Leaves · Tutorial
Quality: 21,085 global accepts · Rating: 1600 · first AC: 2020-06-17 · last AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: games, trees
Kognition's solution

462.
1364C
Ehab and Prefix MEXs · Tutorial
Quality: 14,360 global accepts · Rating: 1600 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, greedy
Kognition's solution

463.
1358C
Celex Update · Tutorial
Quality: 18,346 global accepts · Rating: 1600 · first AC: 2020-05-26 · C++17 (GCC 7-32) (first AC) · Tags: math
Kognition's solution

464.
1349A
Orac and LCM · Tutorial
Quality: 21,642 global accepts · Rating: 1600 · first AC: 2020-05-13 · last AC: 2020-05-13 · C++17 (GCC 7-32) (first AC) · Tags: data structures, math, number theory
Kognition's solution

465.
1344A
Hilbert's Hotel · Tutorial
Quality: 16,503 global accepts · Rating: 1600 · first AC: 2020-05-06 · C++17 (GCC 7-32) (first AC) · Tags: math, number theory, sortings
Kognition's solution

466.
1342C
Yet Another Counting Problem · Tutorial
Quality: 14,996 global accepts · Rating: 1600 · first AC: 2020-04-26 · C++17 (GCC 7-32) (first AC) · Tags: math, number theory
Kognition's solution

467.
1336A
Linova and Kingdom · Tutorial

Quality: 24,671 global accepts · Rating: 1600 · first AC: 2020-04-15 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, dp, greedy, sortings, trees
Kognition's solution

468.
1327C
Game with Chips · Tutorial
Quality: 14,086 global accepts · Rating: 1600 · first AC: 2020-03-30 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

469.
1290A
Mind Control · Tutorial
Quality: 8,901 global accepts · Rating: 1600 · first AC: 2020-02-02 · C++17 (GCC 7-32) (first AC) · Tags: brute force, data structures, implementation
Kognition's solution

470.
1261B1
Optimal Subsequences (Easy Version) · Tutorial
Rating: 1600 · first AC: 2019-11-24 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dp, greedy
Kognition's solution

471.
1213D2
Equalizing by Division (hard version) · Tutorial
Quality: 12,200 global accepts · Rating: 1600 · first AC: 2019-09-03 · C++14 (GCC 6-32) (first AC) · Tags: brute force, math, sortings
Kognition's solution

472.
1151D
Stas and the Queue at the Buffet · Tutorial
Quality: 9,076 global accepts · Rating: 1600 · first AC: 2019-04-18 · GNU C++11 (first AC) · Tags: greedy, math, sortings
Kognition's solution

473.
1140C
Playlist · Tutorial
Quality: 10,401 global accepts · Rating: 1600 · first AC: 2019-03-22 · GNU C++11 (first AC) · Tags: brute force, data structures, sortings
Kognition's solution

474.
1113C
Sasha and a Bit of Relax · Tutorial
Rating: 1600 · first AC: 2019-02-16 · GNU C++11 (first AC) · Tags: —
Kognition's solution

475.
1096C
Polygon for the Angle · Tutorial
Quality: 7,240 global accepts · Rating: 1600 · first AC: 2018-12-28 · GNU C++11 (first AC) · Tags: brute force, geometry
Kognition's solution

476.
1056B
Divide Candies · Tutorial
Quality: 4,546 global accepts · Rating: 1600 · first AC: 2018-11-25 · GNU C++11 (first AC) · Tags: math, number theory
Kognition's solution

477.
1056D
Decorate Apple Tree · Tutorial
Quality: 6,722 global accepts · Rating: 1600 · first AC: 2018-11-25 · GNU C++11 (first AC) · Tags: constructive algorithms, dfs and similar, dp, graphs, greedy, sortings, trees
Kognition's solution

478.
1033C
Permutation Game · Tutorial
Quality: 6,217 global accepts · Rating: 1600 · first AC: 2018-10-07 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dp, games
Kognition's solution

479.
1059C
Sequence Transformation · Tutorial
Quality: 7,534 global accepts · Rating: 1600 · first AC: 2018-10-05 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math
Kognition's solution

480.
1060C
Maximum Subrectangle · Tutorial
Quality: 5,209 global accepts · Rating: 1600 · first AC: 2018-10-04 · C++14 (GCC 6-32) (first AC) · Tags: binary search, implementation, two pointers
Kognition's solution

481.
375B
Maximum Submatrix 2 · Tutorial
Quality: 5,430 global accepts · Rating: 1600 · first AC: 2018-09-03 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, implementation, sortings
Kognition's solution

482.
1025B
Weakened Common Divisor · Tutorial
Quality: 8,509 global accepts · Rating: 1600 · first AC: 2018-08-19 · last AC: 2018-08-19 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy, number theory
Kognition's solution

483.
1025C
Plasticine zebra · Tutorial
Quality: 6,491 global accepts · Rating: 1600 · first AC: 2018-08-19 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

484.
1027C
Minimum Value Rectangle · Tutorial
Quality: 7,152 global accepts · Rating: 1600 · first AC: 2018-08-18 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

485.
407B
Long Path · Tutorial
Quality: 7,162 global accepts · Rating: 1600 · first AC: 2018-06-29 · C++14 (GCC 6-32) (first AC) · Tags: dp, implementation
Kognition's solution

486.
429B
Working out · Tutorial
Quality: 10,213 global accepts · Rating: 1600 · first AC: 2018-06-20 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

487.
992B
Nastya Studies Informatics · Tutorial
Quality: 6,771 global accepts · Rating: 1600 · first AC: 2018-06-18 · C++14 (GCC 6-32) (first AC) · Tags: math, number theory
Kognition's solution

488.
992C
Nastya and a Wardrobe · Tutorial
Quality: 4,871 global accepts · Rating: 1600 · first AC: 2018-06-18 · C++14 (GCC 6-32) (first AC) · Tags: math
Kognition's solution

489.
231D
Magic Box · Tutorial
Quality: 4,333 global accepts · Rating: 1600 · first AC: 2018-06-07 · C++14 (GCC 6-32) (first AC) · Tags: brute force, geometry
Kognition's solution

490.
246D
Colorful Graph · Tutorial
Quality: 10,291 global accepts · Rating: 1600 · first AC: 2018-06-07 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dfs and similar, graphs
Kognition's solution

491.
979C
Kuro and Walking Route · Tutorial
Quality: 7,334 global accepts · Rating: 1600 · first AC: 2018-05-15 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, trees
Kognition's solution

492.
980B
Marlin · Tutorial
Quality: 4,924 global accepts · Rating: 1600 · first AC: 2018-05-09 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms
Kognition's solution

493.
962D
Merge Equals · Tutorial
Quality: 7,364 global accepts · Rating: 1600 · first AC: 2018-04-10 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation
Kognition's solution

494.
956B
Three-level Laser · Tutorial
Rating: 1600 · first AC: 2018-04-05 · C++14 (GCC 6-32) (first AC) · Tags: binary search, greedy, two pointers
Kognition's solution

495.
954D
Fight Against Traffic · Tutorial
Quality: 7,899 global accepts · Rating: 1600 · first AC: 2018-03-22 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs, shortest paths
Kognition's solution

496.
948C
Producing Snow · Tutorial
Rating: 1600 · first AC: 2018-03-10 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures
Kognition's solution

497.
950C
Zebras · Tutorial
Rating: 1600 · first AC: 2018-03-09 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy
Kognition's solution

498.
931E
Game with String · Tutorial
Rating: 1600 · first AC: 2018-03-05 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math, probabilities
Kognition's solution

499.
932C
Permutation Cycle · Tutorial
Quality: 4,239 global accepts · Rating: 1600 · first AC: 2018-02-15 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms
Kognition's solution

500.
922C
Cave Painting · Tutorial
Quality: 7,568 global accepts · Rating: 1600 · first AC: 2018-02-12 · C++14 (GCC 6-32) (first AC) · Tags: brute force, number theory
Kognition's solution

501.
916C
Jamie and Interesting Graph · Tutorial
Quality: 5,541 global accepts · Rating: 1600 · first AC: 2018-01-19 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, graphs, shortest paths
Kognition's solution

502.
898E
Squares and not squares · Tutorial
Quality: 4,864 global accepts · Rating: 1600 · first AC: 2017-12-16 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy
Kognition's solution

503.
898D
Alarm Clock · Tutorial
Quality: 4,537 global accepts · Rating: 1600 · first AC: 2017-12-16 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

504.
858D
Polycarp's phone book · Tutorial
Quality: 4,183 global accepts · Rating: 1600 · first AC: 2017-11-28 · last AC: 2017-11-28 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation, sortings
Kognition's solution

505.
789C
Functions again · Tutorial
Rating: 1600 · first AC: 2017-11-22 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, two pointers
Kognition's solution

506.
877C
Slava and tanks · Tutorial
Quality: 6,065 global accepts · Rating: 1600 · first AC: 2017-11-03 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms
Kognition's solution

507.
879C
Short Program · Tutorial
Rating: 1600 · first AC: 2017-10-26 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms, graph matchings
Kognition's solution

508.
861D
Polycarp's phone book · Tutorial
Rating: 1600 · first AC: 2017-09-17 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, implementation, strings
Kognition's solution

509.
849C
From Y to Y · Tutorial
Rating: 1600 · first AC: 2017-09-01 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms

Kognition's solution

510.
832B
Petya and Exam · Tutorial
Quality: 4,682 global accepts · Rating: 1600 · first AC: 2017-07-24 · C++14 (GCC 6-32) (first AC) · Tags: implementation, strings
Kognition's solution

511.
825C
Multi-judge Solving · Tutorial
Quality: 4,887 global accepts · Rating: 1600 · first AC: 2017-07-17 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation
Kognition's solution

512.
825B
Five-In-a-Row · Tutorial
Quality: 4,784 global accepts · Rating: 1600 · first AC: 2017-07-17 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
Kognition's solution

513.
818B
Permutation Game · Tutorial
Quality: 3,225 global accepts · Rating: 1600 · first AC: 2017-07-14 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

514.
817C
Really Big Numbers · Tutorial
Quality: 8,485 global accepts · Rating: 1600 · first AC: 2017-06-17 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, dp, math
Kognition's solution

515.
2205D
Simons and Beating Peaks · Tutorial
Quality: 4,925 global accepts · Rating: 1700 · first AC: 2026-03-08 · C++23 (GCC 14-64, msys2) (first AC) · Tags: data structures, divide and conquer, dp, greedy, implementation, trees
Kognition's solution

516.
2152D
Division Versus Addition · Tutorial
Quality: 6,760 global accepts · Rating: 1700 · first AC: 2025-10-06 · C++23 (GCC 14-64, msys2) (first AC) · Tags: games, greedy, math
Kognition's solution

517.
2135B
For the Champion · Tutorial
Quality: 7,348 global accepts · Rating: 1700 · first AC: 2025-09-01 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, interactive, math
Kognition's solution

518.
2113C
Smilo and Minecraft · Tutorial
Quality: 7,976 global accepts · Rating: 1700 · first AC: 2025-08-27 · C++23 (GCC 14-64, msys2) (first AC) · Tags: brute force, constructive algorithms, greedy
Kognition's solution

519.
2023B
Skipping · Tutorial
Quality: 7,081 global accepts · Rating: 1700 · first AC: 2025-08-13 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, dp, graphs, shortest paths
Kognition's solution

520.
2118D1
Red Light, Green Light (Easy version) · Tutorial
Quality: 8,456 global accepts · Rating: 1700 · first AC: 2025-07-06 · C++20 (GCC 13-64) (first AC) · Tags: brute force, dfs and similar, dp, graphs, implementation, number theory
Kognition's solution

521.
2123F
Minimize Fixed Points · Tutorial
Quality: 9,762 global accepts · Rating: 1700 · first AC: 2025-07-02 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, number theory
Kognition's solution

522.
2112D
Reachability and Tree · Tutorial
Quality: 9,444 global accepts · Rating: 1700 · first AC: 2025-06-23 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, trees
Kognition's solution

523.
1916D
Mathematical Problem · Tutorial
Quality: 9,774 global accepts · Rating: 1700 · first AC: 2023-12-31 · Python 3 (first AC) · Tags: brute force, constructive algorithms, geometry, math
Kognition's solution

524.
1468F
Full Turn · Tutorial
Quality: 4,222 global accepts · Rating: 1700 · first AC: 2020-12-27 · last AC: 2020-12-27 · C++17 (GCC 7-32) (first AC) · Tags: geometry, hashing, number theory
Kognition's solution

525.
1468D
Firecrackers · Tutorial
Quality: 5,274 global accepts · Rating: 1700 · first AC: 2020-12-27 · C++17 (GCC 7-32) (first AC) · Tags: binary search, sortings
Kognition's solution

526.
1464A
Peaceful Rooks · Tutorial
Rating: 1700 · first AC: 2020-12-20 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, dsu, graphs
Kognition's solution

527.
321A
Ciel and Robot · Tutorial
Quality: 3,901 global accepts · Rating: 1700 · first AC: 2020-09-02 · C++17 (GCC 7-32) (first AC) · Tags: binary search, implementation, math
Kognition's solution

528.
689C
Mike and Chocolate Thieves · Tutorial
Quality: 6,174 global accepts · Rating: 1700 · first AC: 2020-08-28 · C++17 (GCC 7-32) (first AC) · Tags: binary search, combinatorics, math
Kognition's solution

529.
1392D
Omkar and Bed Wars · Tutorial
Quality: 9,765 global accepts · Rating: 1700 · first AC: 2020-08-16 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy
Kognition's solution

530.
1118C
Palindromic Matrix · Tutorial
Quality: 6,101 global accepts · Rating: 1700 · first AC: 2020-08-13 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

531.
1131F
Asya And Kittens · Tutorial
Quality: 7,754 global accepts · Rating: 1700 · first AC: 2019-02-23 · last AC: 2020-07-27 · GNU C++11 (first AC) · Tags: constructive algorithms, dsu
Kognition's solution

532.
1383A
String Transformation 1 · Tutorial
Quality: 11,265 global accepts · Rating: 1700 · first AC: 2020-07-24 · C++17 (GCC 7-32) (first AC) · Tags: dsu, graphs, greedy, sortings, strings, trees, two pointers
Kognition's solution

533.
1381A2
Prefix Flip (Hard Version) · Tutorial
Quality: 14,326 global accepts · Rating: 1700 · first AC: 2020-07-21 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, implementation, strings, two pointers
Kognition's solution

534.
1148C
Crazy Diamond · Tutorial
Quality: 5,627 global accepts · Rating: 1700 · first AC: 2020-07-08 · last AC: 2020-07-08 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, sortings
Kognition's solution

535.
32C
Flea · Tutorial
Quality: 2,563 global accepts · Rating: 1700 · first AC: 2020-07-05 · C++17 (GCC 7-32) (first AC) · Tags: math
Kognition's solution

536.
1368D
AND, OR and square sum · Tutorial
Quality: 13,667 global accepts · Rating: 1700 · first AC: 2020-06-18 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, greedy, math
Kognition's solution

537.
1365D
Solve The Maze · Tutorial
Quality: 20,823 global accepts · Rating: 1700 · first AC: 2020-06-07 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, dsu, graphs, greedy, implementation, shortest paths
Kognition's solution

538.
1361A
Johnny and Contribution · Tutorial
Quality: 8,845 global accepts · Rating: 1700 · first AC: 2020-06-04 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, graphs, greedy, sortings
Kognition's solution

539.
582A
GCD Table · Tutorial
Quality: 8,346 global accepts · Rating: 1700 · first AC: 2020-05-14 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, number theory

Kognition's solution

540.
1333C
Eugene and an array · Tutorial
Quality: 13,365 global accepts · Rating: 1700 · first AC: 2020-04-08 · C++17 (GCC 7-32) (first AC) · Tags: binary search, data structures, implementation, two pointers
Kognition's solution

541.
1329B
Dreamoon Likes Sequences · Tutorial
Quality: 7,056 global accepts · Rating: 1700 · first AC: 2020-04-03 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, combinatorics, math
Kognition's solution

542.
711C
Coloring Trees · Tutorial
Quality: 9,346 global accepts · Rating: 1700 · first AC: 2020-04-01 · Python 3 (first AC) · Tags: dp
Kognition's solution

543.
1332D
Walk on Matrix · Tutorial
Quality: 8,444 global accepts · Rating: 1700 · first AC: 2020-03-31 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, math
Kognition's solution

544.
1312D
Count the Arrays · Tutorial
Quality: 10,528 global accepts · Rating: 1700 · first AC: 2020-03-10 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, math
Kognition's solution

545.
1301C
Ayoub's function · Tutorial
Quality: 9,878 global accepts · Rating: 1700 · first AC: 2020-02-13 · C++17 (GCC 7-32) (first AC) · Tags: binary search, combinatorics, greedy, math, strings
Kognition's solution

546.
1278C
Berry Jam · Tutorial
Quality: 8,576 global accepts · Rating: 1700 · first AC: 2019-12-21 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dp, greedy, implementation
Kognition's solution

547.
1280A
Cut and Paste · Tutorial
Quality: 5,844 global accepts · Rating: 1700 · first AC: 2019-12-15 · last AC: 2019-12-15 · C++17 (GCC 7-32) (first AC) · Tags: implementation, math
Kognition's solution

548.
1267E
Elections · Tutorial
Quality: 3,518 global accepts · Rating: 1700 · first AC: 2019-12-02 · last AC: 2019-12-02 · C++17 (GCC 7-32) (first AC) · Tags: greedy
Kognition's solution

549.
1260C
Infinite Fence · Tutorial
Quality: 8,784 global accepts · Rating: 1700 · first AC: 2019-11-27 · C++17 (GCC 7-32) (first AC) · Tags: greedy, math, number theory
Kognition's solution

550.
1261A
Messy · Tutorial
Rating: 1700 · first AC: 2019-11-24 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, greedy, implementation
Kognition's solution

551.
1253D
Harmonious Graph · Tutorial
Quality: 10,251 global accepts · Rating: 1700 · first AC: 2019-11-24 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, dsu, graphs, greedy, sortings
Kognition's solution

552.
1257D
Yet Another Monster Killing Problem · Tutorial
Quality: 8,172 global accepts · Rating: 1700 · first AC: 2019-11-13 · last AC: 2019-11-13 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, dp, greedy, sortings, two pointers
Kognition's solution

553.
1237C1
Balanced Removals (Easier) · Tutorial
Quality: 6,302 global accepts · Rating: 1700 · first AC: 2019-10-16 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, geometry, greedy
Kognition's solution

554.
1209D
Cow and Snacks · Tutorial
Quality: 10,729 global accepts · Rating: 1700 · first AC: 2019-09-14 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dsu, graphs
Kognition's solution

555.
1217C
The Number Of Good Substrings · Tutorial
Quality: 7,857 global accepts · Rating: 1700 · first AC: 2019-09-05 · C++14 (GCC 6-32) (first AC) · Tags: binary search, bitmasks, brute force
Kognition's solution

556.
828C
String Reconstruction · Tutorial
Rating: 1700 · first AC: 2019-04-28 · GNU C++11 (first AC) · Tags: data structures, sortings, strings
Kognition's solution

557.
1153C
Serval and Parenthesis Sequence · Tutorial
Quality: 7,793 global accepts · Rating: 1700 · first AC: 2019-04-13 · GNU C++11 (first AC) · Tags: greedy, strings
Kognition's solution

558.
1144F
Graph Without Long Directed Paths · Tutorial
Quality: 14,120 global accepts · Rating: 1700 · first AC: 2019-03-31 · GNU C++11 (first AC) · Tags: dfs and similar, graphs
Kognition's solution

559.
1142A
The Beatles · Tutorial
Quality: 3,581 global accepts · Rating: 1700 · first AC: 2019-03-30 · GNU C++11 (first AC) · Tags: brute force, math
Kognition's solution

560.
1132C
Painting the Fence · Tutorial

Quality: 5,706 global accepts · Rating: 1700 · first AC: 2019-03-05 · GNU C++11 (first AC) · Tags: brute force
Kognition's solution

561.
1129A1
Toy Train (Simplified) · Tutorial
Quality: 3,944 global accepts · Rating: 1700 · first AC: 2019-02-24 · GNU C++11 (first AC) · Tags: brute force, greedy
Kognition's solution

562.
1114C
Trailing Loves (or L'oeufs?) · Tutorial
Quality: 7,889 global accepts · Rating: 1700 · first AC: 2019-02-13 · GNU C++11 (first AC) · Tags: brute force, implementation, math, number theory
Kognition's solution

563.
1111B
Average Superhero Gang Power · Tutorial
Quality: 6,516 global accepts · Rating: 1700 · first AC: 2019-02-03 · GNU C++11 (first AC) · Tags: brute force, implementation, math
Kognition's solution

564.
1111C
Creative Snap · Tutorial
Quality: 7,013 global accepts · Rating: 1700 · first AC: 2019-02-03 · GNU C++11 (first AC) · Tags: binary search, brute force, divide and conquer, math
Kognition's solution

565.
1091D
New Year and the Permutation Concatenation · Tutorial
Quality: 7,477 global accepts · Rating: 1700 · first AC: 2018-12-30 · GNU C++11 (first AC) · Tags: combinatorics, dp, math
Kognition's solution

566.
1056C
Pick Heroes · Tutorial
Quality: 2,579 global accepts · Rating: 1700 · first AC: 2018-11-25 · GNU C++11 (first AC) · Tags: greedy, implementation, interactive, sortings
Kognition's solution

567.
1061C
Multiplicity · Tutorial
Quality: 10,711 global accepts · Rating: 1700 · first AC: 2018-11-22 · GNU C++11 (first AC) · Tags: data structures, dp, implementation, math, number theory
Kognition's solution

568.
1042C
Array Product · Tutorial
Quality: 4,971 global accepts · Rating: 1700 · first AC: 2018-09-17 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math
Kognition's solution

569.
229B
Planets · Tutorial
Quality: 5,786 global accepts · Rating: 1700 · first AC: 2018-09-16 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, graphs, shortest paths
Kognition's solution

570.
283B
Cow Program · Tutorial
Quality: 3,932 global accepts · Rating: 1700 · first AC: 2018-09-03 · last AC: 2018-09-03 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, graphs

Kognition's solution

571.
1037D
Valid BFS? · Tutorial
Quality: 19,105 global accepts · Rating: 1700 · first AC: 2018-09-03 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs, shortest paths, trees
Kognition's solution

572.
1027D
Mouse Hunt · Tutorial
Quality: 8,368 global accepts · Rating: 1700 · first AC: 2018-08-18 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs
Kognition's solution

573.
1020C
Elections · Tutorial
Rating: 1700 · first AC: 2018-08-11 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

574.
131E
Yet Another Task with Queens · Tutorial
Quality: 2,090 global accepts · Rating: 1700 · first AC: 2018-07-11 · C++14 (GCC 6-32) (first AC) · Tags: sortings
Kognition's solution

575.
269B
Greenhouse Effect · Tutorial
Quality: 6,991 global accepts · Rating: 1700 · first AC: 2018-07-09 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

576.
990D
Graph And Its Complement · Tutorial
Quality: 4,115 global accepts · Rating: 1700 · first AC: 2018-06-10 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, graphs, implementation
Kognition's solution

577.
295B
Greg and Graph · Tutorial
Quality: 17,664 global accepts · Rating: 1700 · first AC: 2018-06-10 · C++14 (GCC 6-32) (first AC) · Tags: dp, graphs, shortest paths
Kognition's solution

578.
126B
Password · Tutorial
Quality: 24,773 global accepts · Rating: 1700 · first AC: 2018-06-08 · C++14 (GCC 6-32) (first AC) · Tags: binary search, dp, hashing, string suffix structures, strings
Kognition's solution

579.
276D
Little Girl and Maximum XOR · Tutorial
Quality: 16,373 global accepts · Rating: 1700 · first AC: 2018-06-07 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, dp, greedy, implementation, math
Kognition's solution

580.
118D
Caesar's Legions · Tutorial
Quality: 20,484 global accepts · Rating: 1700 · first AC: 2018-06-07 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

581.
489D
Unbearable Controversy of Being · Tutorial
Quality: 7,050 global accepts · Rating: 1700 · first AC: 2018-06-06 · C++14 (GCC 6-32) (first AC) · Tags: brute force, combinatorics, dfs and similar, graphs
Kognition's solution

582.
493D
Vasya and Chess · Tutorial
Quality: 10,206 global accepts · Rating: 1700 · first AC: 2018-06-05 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, games, math
Kognition's solution

583.
339D
Xenia and Bit Operations · Tutorial
Quality: 32,559 global accepts · Rating: 1700 · first AC: 2018-06-05 · C++14 (GCC 6-32) (first AC) · Tags: data structures, trees
Kognition's solution

584.
466C
Number of Ways · Tutorial
Quality: 41,893 global accepts · Rating: 1700 · first AC: 2018-06-05 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, data structures, dp, two pointers
Kognition's solution

585.
474D
Flowers · Tutorial
Quality: 30,625 global accepts · Rating: 1700 · first AC: 2018-06-05 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

586.
984C
Finite or not? · Tutorial
Rating: 1700 · first AC: 2018-05-17 · last AC: 2018-05-17 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math, number theory
Kognition's solution

587.
977F
Consecutive Subsequence · Tutorial
Quality: 25,137 global accepts · Rating: 1700 · first AC: 2018-05-06 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

588.
954C
Matrix Walk · Tutorial
Quality: 3,957 global accepts · Rating: 1700 · first AC: 2018-03-22 · C++14 (GCC 6-32) (first AC) · Tags: implementation
Kognition's solution

589.
948B
Primal Sport · Tutorial
Rating: 1700 · first AC: 2018-03-10 · C++14 (GCC 6-32) (first AC) · Tags: brute force, math, number theory
Kognition's solution

590.
950D
A Leapfrog in the Array · Tutorial
Rating: 1700 · first AC: 2018-03-09 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math
Kognition's solution

591.
931C
Laboratory Work · Tutorial
Quality: 3,488 global accepts · Rating: 1700 · first AC: 2018-03-04 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math

Kognition's solution

592.
937C
Save Energy! · Tutorial
Rating: 1700 · first AC: 2018-03-01 · C++14 (GCC 6-32) (first AC) · Tags: math
Kognition's solution

593.
919D
Substring · Tutorial
Quality: 12,252 global accepts · Rating: 1700 · first AC: 2018-01-31 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, graphs
Kognition's solution

594.
918D
MADMAX · Tutorial
Rating: 1700 · first AC: 2018-01-29 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, games, graphs
Kognition's solution

595.
900C
Remove Extra One · Tutorial
Quality: 5,007 global accepts · Rating: 1700 · first AC: 2018-01-18 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, math
Kognition's solution

596.
915C
Permute Digits · Tutorial
Quality: 7,554 global accepts · Rating: 1700 · first AC: 2018-01-13 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy
Kognition's solution

597.
895B
XK Segments · Tutorial
Quality: 3,822 global accepts · Rating: 1700 · first AC: 2017-11-29 · C++14 (GCC 6-32) (first AC) · Tags: binary search, math, sortings, two pointers
Kognition's solution

598.
789B
Masha and geometric depression · Tutorial
Quality: 4,927 global accepts · Rating: 1700 · first AC: 2017-11-22 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation, math
Kognition's solution

599.
818D
Multicolored Cars · Tutorial
Quality: 3,785 global accepts · Rating: 1700 · first AC: 2017-07-14 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation
Kognition's solution

600.
813C
The Tag Game · Tutorial
Quality: 8,144 global accepts · Rating: 1700 · first AC: 2017-06-05 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs
Kognition's solution

601.
798C
Mike and gcd problem · Tutorial
Quality: 6,370 global accepts · Rating: 1700 · first AC: 2017-05-10 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, number theory
Kognition's solution

602.
2209D
Ghostfires · Tutorial
Quality: 5,332 global accepts · Rating: 1800 · first AC: 2026-03-22 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms,

greedy
Kognition's solution

603.
1034A
Enlarge GCD · Tutorial
Quality: 9,920 global accepts · Rating: 1800 · first AC: 2025-09-05 · C++23 (GCC 14-64, msys2) (first AC) · Tags: number theory
Kognition's solution

604.
2120D
Matrix game · Tutorial
Quality: 5,777 global accepts · Rating: 1800 · first AC: 2025-06-27 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, math
Kognition's solution

605.
2101B
Quartet Swapping · Tutorial
Quality: 6,830 global accepts · Rating: 1800 · first AC: 2025-05-12 · last AC: 2025-06-01 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, divide and conquer, greedy, sortings
Kognition's solution

606.
1556D
Take a Guess · Tutorial
Quality: 8,601 global accepts · Rating: 1800 · first AC: 2021-08-29 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, interactive, math
Kognition's solution

607.
1468J
Road Reform · Tutorial
Quality: 5,907 global accepts · Rating: 1800 · first AC: 2020-12-27 · C++17 (GCC 7-32) (first AC) · Tags: dsu, graphs, greedy
Kognition's solution

608.
1463C
Busy Robot · Tutorial
Quality: 6,055 global accepts · Rating: 1800 · first AC: 2020-12-19 · C++17 (GCC 7-32) (first AC) · Tags: implementation
Kognition's solution

609.
1446B
Catching Cheaters · Tutorial
Quality: 9,038 global accepts · Rating: 1800 · first AC: 2020-11-15 · C++17 (GCC 7-32) (first AC) · Tags: dp, strings
Kognition's solution

610.
638D
Three-dimensional Turtle Super Computer · Tutorial
Quality: 793 global accepts · Rating: 1800 · first AC: 2020-09-05 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dfs and similar, graphs
Kognition's solution

611.
1076D
Edge Deletion · Tutorial
Quality: 5,916 global accepts · Rating: 1800 · first AC: 2020-09-02 · C++17 (GCC 7-32) (first AC) · Tags: graphs, greedy, shortest paths
Kognition's solution

612.
1396B
Stoned Game · Tutorial
Quality: 12,944 global accepts · Rating: 1800 · first AC: 2020-08-30 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, games, greedy
Kognition's solution

613.
1398D
Colored Rectangles · Tutorial
Quality: 12,543 global accepts · Rating: 1800 · first AC: 2020-08-14 · last AC: 2020-08-14 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy, sortings
Kognition's solution

614.
190B
Surrounded · Tutorial
Quality: 3,092 global accepts · Rating: 1800 · first AC: 2020-08-13 · C++17 (GCC 7-32) (first AC) · Tags: geometry
Kognition's solution

615.
1394A
Boboniu Chats with Du · Tutorial
Quality: 7,122 global accepts · Rating: 1800 · first AC: 2020-08-12 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy, sortings, two pointers
Kognition's solution

616.
1388C
Uncle Bogdan and Country Happiness · Tutorial
Quality: 10,413 global accepts · Rating: 1800 · first AC: 2020-07-30 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, greedy, math, trees
Kognition's solution

617.
1381B
Unmerge · Tutorial
Quality: 9,566 global accepts · Rating: 1800 · first AC: 2020-07-21 · last AC: 2020-07-21 · C++17 (GCC 7-32) (first AC) · Tags: dp
Kognition's solution

618.
1148D
Dirty Deeds Done Dirt Cheap · Tutorial
Quality: 5,263 global accepts · Rating: 1800 · first AC: 2020-07-08 · last AC: 2020-07-08 · C++17 (GCC 7-32) (first AC) · Tags: greedy, sortings
Kognition's solution

619.
1010C
Border · Tutorial
Quality: 5,931 global accepts · Rating: 1800 · first AC: 2020-06-30 · C++17 (GCC 7-32) (first AC) · Tags: number theory
Kognition's solution

620.
1010B
Rocket · Tutorial
Quality: 6,386 global accepts · Rating: 1800 · first AC: 2020-06-30 · C++17 (GCC 7-32) (first AC) · Tags: binary search, interactive
Kognition's solution

621.
234F
Fence · Tutorial
Quality: 1,972 global accepts · Rating: 1800 · first AC: 2020-06-27 · C++17 (GCC 7-32) (first AC) · Tags: dp
Kognition's solution

622.
1367D
Task On The Board · Tutorial
Quality: 8,815 global accepts · Rating: 1800 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, implementation, sortings
Kognition's solution

623.
1338B
Edge Weight Assignment · Tutorial
Quality: 9,523 global accepts · Rating: 1800 · first AC: 2020-04-12 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, dfs

and similar, greedy, math, trees
Kognition's solution

624.
1329A
Dreamoon Likes Coloring · Tutorial
Quality: 9,669 global accepts · Rating: 1800 · first AC: 2020-04-03 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, implementation, math
Kognition's solution

625.
1327E
Count The Blocks · Tutorial
Quality: 9,599 global accepts · Rating: 1800 · first AC: 2020-03-29 · last AC: 2020-03-29 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, dp, math
Kognition's solution

626.
1328D
Carousel · Tutorial
Quality: 14,526 global accepts · Rating: 1800 · first AC: 2020-03-27 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dp, graphs, greedy, math
Kognition's solution

627.
1326D2
Prefix-Suffix Palindrome (Hard version) · Tutorial
Quality: 11,759 global accepts · Rating: 1800 · first AC: 2020-03-19 · C++17 (GCC 7-32) (first AC) · Tags: binary search, greedy, hashing, string suffix structures, strings
Kognition's solution

628.
1304D
Shortest and Longest LIS · Tutorial
Quality: 6,682 global accepts · Rating: 1800 · first AC: 2020-02-15 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, graphs, greedy, two pointers
Kognition's solution

629.
1299B
Aerodynamic · Tutorial
Quality: 5,611 global accepts · Rating: 1800 · first AC: 2020-02-09 · last AC: 2020-02-09 · C++17 (GCC 7-32) (first AC) · Tags: geometry
Kognition's solution

630.
1290B
Irreducible Anagrams · Tutorial
Quality: 7,165 global accepts · Rating: 1800 · first AC: 2020-02-02 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, data structures, strings, two pointers
Kognition's solution

631.
1280B
Beingawesomeism · Tutorial
Quality: 4,204 global accepts · Rating: 1800 · first AC: 2019-12-15 · C++17 (GCC 7-32) (first AC) · Tags: implementation, math
Kognition's solution

632.
1267J
Just Arrange the Icons · Tutorial
Quality: 3,057 global accepts · Rating: 1800 · first AC: 2019-12-05 · C++17 (GCC 7-32) (first AC) · Tags: greedy, implementation, math
Kognition's solution

633.
1267L
Lexicography · Tutorial

Quality: 3,358 global accepts · Rating: 1800 · first AC: 2019-12-05 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, strings
Kognition's solution

634.
1261B2
Optimal Subsequences (Hard Version) · Tutorial
Rating: 1800 · first AC: 2019-11-24 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, data structures, greedy, sortings
Kognition's solution

635.
1213G
Path Queries · Tutorial
Quality: 9,534 global accepts · Rating: 1800 · first AC: 2019-09-03 · C++14 (GCC 6-32) (first AC) · Tags: divide and conquer, dsu, graphs, sortings, trees
Kognition's solution

636.
1180D
Tolik and His Uncle · Tutorial
Rating: 1800 · first AC: 2019-06-23 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms
Kognition's solution

637.
1154E
Two Teams · Tutorial
Quality: 6,951 global accepts · Rating: 1800 · first AC: 2019-04-17 · GNU C++11 (first AC) · Tags: data structures, implementation, sortings
Kognition's solution

638.
1119D
Frets On Fire · Tutorial
Quality: 5,169 global accepts · Rating: 1800 · first AC: 2019-04-06 · GNU C++11 (first AC) · Tags: binary search, sortings
Kognition's solution

639.
1129A2
Toy Train · Tutorial
Quality: 4,242 global accepts · Rating: 1800 · first AC: 2019-02-24 · GNU C++11 (first AC) · Tags: brute force, greedy
Kognition's solution

640.
1113D
Sasha and One More Name · Tutorial
Rating: 1800 · first AC: 2019-02-16 · GNU C++11 (first AC) · Tags: brute force, constructive algorithms, strings
Kognition's solution

641.
1107D
Compression · Tutorial
Quality: 3,904 global accepts · Rating: 1800 · first AC: 2019-01-29 · GNU C++11 (first AC) · Tags: dp, implementation, math, number theory
Kognition's solution

642.
1096D
Easy Problem · Tutorial
Quality: 9,400 global accepts · Rating: 1800 · first AC: 2018-12-28 · GNU C++11 (first AC) · Tags: dp
Kognition's solution

643.
69E
Subsegments · Tutorial
Quality: 5,086 global accepts · Rating: 1800 · first AC: 2018-11-22 · GNU C++11 (first AC) · Tags: data structures, implementation
Kognition's solution

644.
1042D
Petya and Array · Tutorial
Quality: 7,404 global accepts · Rating: 1800 · first AC: 2018-09-17 · C++14 (GCC 6-32) (first AC) · Tags: data structures, divide and conquer, two pointers
Kognition's solution

645.
333B
Chips · Tutorial
Quality: 2,762 global accepts · Rating: 1800 · first AC: 2018-09-07 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

646.
274B
Zero Tree · Tutorial
Quality: 5,571 global accepts · Rating: 1800 · first AC: 2018-09-07 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, greedy, trees
Kognition's solution

647.
1038D
Slime · Tutorial
Quality: 8,862 global accepts · Rating: 1800 · first AC: 2018-09-06 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, implementation
Kognition's solution

648.
442B
Andrey and Problem · Tutorial
Quality: 6,113 global accepts · Rating: 1800 · first AC: 2018-09-03 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math, probabilities
Kognition's solution

649.
271D
Good Substrings · Tutorial
Quality: 14,015 global accepts · Rating: 1800 · first AC: 2018-06-21 · C++14 (GCC 6-32) (first AC) · Tags: data structures, strings
Kognition's solution

650.
448D
Multiplication Table · Tutorial
Quality: 16,668 global accepts · Rating: 1800 · first AC: 2018-06-06 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force
Kognition's solution

651.
984D
XOR-pyramid · Tutorial
Rating: 1800 · first AC: 2018-05-17 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

652.
979B
Treasure Hunt · Tutorial
Quality: 4,779 global accepts · Rating: 1800 · first AC: 2018-05-15 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

653.
948D
Perfect Security · Tutorial
Rating: 1800 · first AC: 2018-03-10 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy, strings, trees
Kognition's solution

654.
946D
Timetable · Tutorial
Quality: 4,881 global accepts · Rating: 1800 · first AC: 2018-03-06 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

655.
776C
Molly's Chemicals · Tutorial
Quality: 6,246 global accepts · Rating: 1800 · first AC: 2018-02-15 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, data structures, implementation, math
Kognition's solution

656.
922D
Robot Vacuum Cleaner · Tutorial
Quality: 4,812 global accepts · Rating: 1800 · first AC: 2018-02-12 · C++14 (GCC 6-32) (first AC) · Tags: greedy, sortings
Kognition's solution

657.
917A
The Monster · Tutorial
Quality: 3,676 global accepts · Rating: 1800 · first AC: 2018-01-30 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, implementation, math
Kognition's solution

658.
914C
Travelling Salesman and Special Numbers · Tutorial
Quality: 4,210 global accepts · Rating: 1800 · first AC: 2018-01-20 · C++14 (GCC 6-32) (first AC) · Tags: brute force, combinatorics, dp
Kognition's solution

659.
911D
Inversion Counting · Tutorial
Quality: 5,108 global accepts · Rating: 1800 · first AC: 2018-01-16 · C++14 (GCC 6-32) (first AC) · Tags: brute force, math
Kognition's solution

660.
909C
Python Indentation · Tutorial
Quality: 5,486 global accepts · Rating: 1800 · first AC: 2018-01-04 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

661.
899D
Shovel Sale · Tutorial
Quality: 3,262 global accepts · Rating: 1800 · first AC: 2017-12-19 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math
Kognition's solution

662.
894B
Ralph And His Magic Field · Tutorial
Quality: 4,700 global accepts · Rating: 1800 · first AC: 2017-11-19 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, constructive algorithms, math, number theory
Kognition's solution

663.
828D
High Load · Tutorial
Rating: 1800 · first AC: 2017-07-11 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation, trees
Kognition's solution

664.
799C
Fountains · Tutorial
Quality: 4,054 global accepts · Rating: 1800 · first AC: 2017-05-13 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, implementation
Kognition's solution

665.
2133D
Chicken Jockey · Tutorial

Quality: 7,486 global accepts · Rating: 1900 · first AC: 2025-08-24 · C++23 (GCC 14-64, msys2) (first AC) · Tags: dp, greedy
Kognition's solution

666.
2129C1
Interactive RBS (Easy Version) · Tutorial
Quality: 3,862 global accepts · Rating: 1900 · first AC: 2025-08-12 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, bitmasks, constructive algorithms, interactive
Kognition's solution

667.
2128E1
Submedians (Easy Version) · Tutorial
Quality: 6,545 global accepts · Rating: 1900 · first AC: 2025-07-27 · C++20 (GCC 13-64) (first AC) · Tags: binary search, data structures, dp, greedy, math
Kognition's solution

668.
1817B
Fish Graph · Tutorial
Quality: 5,101 global accepts · Rating: 1900 · first AC: 2023-04-30 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, dfs and similar, graphs
Kognition's solution

669.
1467C
Three Bags · Tutorial
Quality: 6,787 global accepts · Rating: 1900 · first AC: 2021-01-09 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy
Kognition's solution

670.
1463D
Pairs · Tutorial
Quality: 4,836 global accepts · Rating: 1900 · first AC: 2020-12-19 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, greedy, two pointers
Kognition's solution

671.
374C
Inna and Dima · Tutorial
Quality: 3,021 global accepts · Rating: 1900 · first AC: 2020-08-27 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, dp, graphs, implementation
Kognition's solution

672.
67D
Optical Experiment · Tutorial
Quality: 1,777 global accepts · Rating: 1900 · first AC: 2020-08-14 · C++17 (GCC 7-32) (first AC) · Tags: binary search, data structures, dp
Kognition's solution

673.
729E
Subordinates · Tutorial
Quality: 2,394 global accepts · Rating: 1900 · first AC: 2020-08-13 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, graphs, greedy, sortings
Kognition's solution

674.
1383B
GameGame · Tutorial
Quality: 5,444 global accepts · Rating: 1900 · first AC: 2020-07-24 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, dp, games, greedy, math
Kognition's solution

675.
344E
Read Time · Tutorial

Rating: 1900 · first AC: 2020-07-10 · C++17 (GCC 7-32) (first AC) · Tags: binary search, two pointers
Kognition's solution

676.
1178E
Archaeology · Tutorial
Quality: 4,504 global accepts · Rating: 1900 · first AC: 2020-07-09 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, greedy, strings
Kognition's solution

677.
1119E
Pavel and Triangles · Tutorial
Quality: 5,561 global accepts · Rating: 1900 · first AC: 2019-04-06 · last AC: 2020-07-06 · GNU C++11 (first AC) · Tags: brute force, dp, fft, greedy, ternary search
Kognition's solution

678.
1375D
Replace by MEX · Tutorial
Quality: 10,142 global accepts · Rating: 1900 · first AC: 2020-07-04 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, sortings
Kognition's solution

679.
1367E
Necklace Assembly · Tutorial
Quality: 5,847 global accepts · Rating: 1900 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dfs and similar, dp, graphs, greedy, number theory
Kognition's solution

680.
1365E
Maximum Subsequence Value · Tutorial
Quality: 8,318 global accepts · Rating: 1900 · first AC: 2020-06-07 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms
Kognition's solution

681.
1361B
Johnny and Grandmaster · Tutorial
Quality: 3,860 global accepts · Rating: 1900 · first AC: 2020-06-04 · C++17 (GCC 7-32) (first AC) · Tags: greedy, implementation, math, sortings
Kognition's solution

682.
1348D
Phoenix and Science · Tutorial
Quality: 9,342 global accepts · Rating: 1900 · first AC: 2020-05-01 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, greedy, implementation, math
Kognition's solution

683.
1342D
Multiple Testcases · Tutorial
Quality: 6,365 global accepts · Rating: 1900 · first AC: 2020-04-26 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, data structures, greedy, sortings, two pointers
Kognition's solution

684.
1328E
Tree Queries · Tutorial
Quality: 11,723 global accepts · Rating: 1900 · first AC: 2020-03-27 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, graphs, trees
Kognition's solution

685.
1285D
Dr. Evil Underscores · Tutorial

Quality: 8,612 global accepts · Rating: 1900 · first AC: 2020-01-12 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, brute force, dfs and similar, divide and conquer, dp, greedy, strings, trees
Kognition's solution

686.
1270D
Strange Device · Tutorial
Quality: 4,869 global accepts · Rating: 1900 · first AC: 2020-01-01 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, interactive, math, sortings
Kognition's solution

687.
1276B
Two Fairs · Tutorial
Quality: 5,669 global accepts · Rating: 1900 · first AC: 2019-12-14 · last AC: 2019-12-14 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, dfs and similar, dsu, graphs
Kognition's solution

688.
1264B
Beautiful Sequence · Tutorial
Quality: 6,046 global accepts · Rating: 1900 · first AC: 2019-12-05 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, greedy
Kognition's solution

689.
1260D
A Game with Traps · Tutorial
Quality: 4,194 global accepts · Rating: 1900 · first AC: 2019-11-27 · C++17 (GCC 7-32) (first AC) · Tags: binary search, dp, greedy, sortings
Kognition's solution

690.
1242B
0-1 MST · Tutorial
Quality: 9,249 global accepts · Rating: 1900 · first AC: 2019-11-06 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dsu, graphs, sortings
Kognition's solution

691.
1237C2
Balanced Removals (Harder) · Tutorial
Quality: 4,535 global accepts · Rating: 1900 · first AC: 2019-10-16 · C++14 (GCC 6-32) (first AC) · Tags: binary search, constructive algorithms, divide and conquer, greedy, implementation, sortings
Kognition's solution

692.
1220D
Alex and Julian · Tutorial
Quality: 4,140 global accepts · Rating: 1900 · first AC: 2019-09-21 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, math, number theory
Kognition's solution

693.
1213E
Two Small Strings · Tutorial
Quality: 5,467 global accepts · Rating: 1900 · first AC: 2019-09-03 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms
Kognition's solution

694.
1153D
Serval and Rooted Tree · Tutorial
Quality: 5,542 global accepts · Rating: 1900 · first AC: 2019-04-13 · GNU C++11 (first AC) · Tags: binary search, dfs and similar, dp, greedy, trees
Kognition's solution

695.
1114D
Flood Fill · Tutorial

Quality: 7,978 global accepts · Rating: 1900 · first AC: 2019-02-13 · GNU C++11 (first AC) · Tags: dp
Kognition's solution

696.
61E
Enemy is weak · Tutorial
Quality: 15,178 global accepts · Rating: 1900 · first AC: 2018-11-24 · GNU C++11 (first AC) · Tags: data structures, trees
Kognition's solution

697.
191C
Fools and Roads · Tutorial
Quality: 9,224 global accepts · Rating: 1900 · first AC: 2018-11-24 · last AC: 2018-11-24 · GNU C++11 (first AC) · Tags: data structures, dfs and similar, trees
Kognition's solution

698.
479E
Riding in a Lift · Tutorial
Quality: 5,625 global accepts · Rating: 1900 · first AC: 2018-11-24 · GNU C++11 (first AC) · Tags: combinatorics, dp
Kognition's solution

699.
1060D
Social Circles · Tutorial
Quality: 3,874 global accepts · Rating: 1900 · first AC: 2018-10-04 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math
Kognition's solution

700.
111B
Petya and Divisors · Tutorial
Quality: 4,104 global accepts · Rating: 1900 · first AC: 2018-09-16 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, number theory
Kognition's solution

701.
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
Kognition's solution

702.
1013E
Hills · Tutorial
Rating: 1900 · first AC: 2018-08-06 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

703.
1013D
Chemical table · Tutorial
Rating: 1900 · first AC: 2018-07-30 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs, matrices
Kognition's solution

704.
459E
Pashmak and Graph · Tutorial
Quality: 5,971 global accepts · Rating: 1900 · first AC: 2018-06-20 · last AC: 2018-06-20 · C++14 (GCC 6-32) (first AC) · Tags: dp, sortings
Kognition's solution

705.
994D
Open Communication · Tutorial
Rating: 1900 · first AC: 2018-06-16 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks
Kognition's solution

706.
982D
Shark · Tutorial
Quality: 2,518 global accepts · Rating: 1900 · first AC: 2018-05-19 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, dsu, trees
Kognition's solution

707.
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
Kognition's solution

708.
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
Kognition's solution

709.
950E
Data Center Maintenance · Tutorial
Rating: 1900 · first AC: 2018-03-09 · C++14 (GCC 6-32) (first AC) · Tags: 2-sat, graphs
Kognition's solution

710.
931F
Teodor is not a liar! · Tutorial
Rating: 1900 · first AC: 2018-03-04 · last AC: 2018-03-04 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp
Kognition's solution

711.
914D
Bash and a Tough Math Puzzle · Tutorial
Quality: 6,385 global accepts · Rating: 1900 · first AC: 2018-01-20 · C++14 (GCC 6-32) (first AC) · Tags: data structures, number theory
Kognition's solution

712.
909E
Coprocessor · Tutorial
Quality: 2,462 global accepts · Rating: 1900 · first AC: 2018-01-05 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, graphs, greedy
Kognition's solution

713.
894C
Marco and GCD Sequence · Tutorial
Quality: 4,628 global accepts · Rating: 1900 · first AC: 2017-11-21 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math
Kognition's solution

714.
740D
Alyona and a tree · Tutorial
Rating: 1900 · first AC: 2017-08-24 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, dfs and similar, graph matchings, graphs
Kognition's solution

715.
839B
Game of the Rows · Tutorial
Quality: 3,438 global accepts · Rating: 1900 · first AC: 2017-08-14 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy, implementation
Kognition's solution

716.
803C
Maximal GCD · Tutorial

Quality: 5,819 global accepts · Rating: 1900 · first AC: 2017-05-09 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math
Kognition's solution

717.
2135C
By the Assignment · Tutorial
Quality: 3,899 global accepts · Rating: 2000 · first AC: 2025-09-02 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, bitmasks, combinatorics, dfs and similar, dsu, graphs, math
Kognition's solution

718.
2129C2
Interactive RBS (Medium Version) · Tutorial
Quality: 2,503 global accepts · Rating: 2000 · first AC: 2025-08-12 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, bitmasks, constructive algorithms, interactive
Kognition's solution

719.
2096D
Wonderful Lightbulbs · Tutorial
Quality: 5,608 global accepts · Rating: 2000 · first AC: 2025-05-10 · last AC: 2025-05-14 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, constructive algorithms, math
Kognition's solution

720.
2014F
Sheriff's Defense · Tutorial
Quality: 5,103 global accepts · Rating: 2000 · first AC: 2025-05-10 · last AC: 2025-05-14 · C++20 (GCC 13-64) (first AC) · Tags: dfs and similar, dp, greedy, trees
Kognition's solution

721.
1566E
Buds Re-hanging · Tutorial
Quality: 4,448 global accepts · Rating: 2000 · first AC: 2021-09-12 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, dp, greedy, trees
Kognition's solution

722.
1427D
Unshuffling a Deck · Tutorial
Quality: 3,696 global accepts · Rating: 2000 · first AC: 2020-10-10 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

723.
1416C
XOR Inverse · Tutorial
Quality: 5,057 global accepts · Rating: 2000 · first AC: 2020-09-27 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, data structures, divide and conquer, dp, greedy, math, sortings, strings, trees
Kognition's solution

724.
1416B
Make Them Equal · Tutorial
Quality: 6,689 global accepts · Rating: 2000 · first AC: 2020-09-27 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, math
Kognition's solution

725.
965C
Greedy Arkady · Tutorial
Quality: 2,215 global accepts · Rating: 2000 · first AC: 2020-08-13 · Python 3 (first AC) · Tags: math
Kognition's solution

726.
1391D
505 · Tutorial

Quality: 5,771 global accepts · Rating: 2000 · first AC: 2020-08-10 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, brute force, constructive algorithms, dp, greedy, implementation
Kognition's solution

727.
1388D
Captain Flint and Treasure · Tutorial
Quality: 6,910 global accepts · Rating: 2000 · first AC: 2020-07-30 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dfs and similar, graphs, greedy, implementation, trees
Kognition's solution

728.
1385E
Directing Edges · Tutorial
Quality: 9,040 global accepts · Rating: 2000 · first AC: 2020-07-17 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs
Kognition's solution

729.
1010D
Mars rover · Tutorial
Quality: 2,563 global accepts · Rating: 2000 · first AC: 2020-06-30 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, graphs, implementation, trees
Kognition's solution

730.
1370D
Odd-Even Subsequence · Tutorial
Quality: 10,929 global accepts · Rating: 2000 · first AC: 2020-06-21 · C++17 (GCC 7-32) (first AC) · Tags: binary search, dp, dsu, greedy, implementation
Kognition's solution

731.
1366D
Two Divisors · Tutorial
Quality: 12,349 global accepts · Rating: 2000 · first AC: 2020-06-17 · last AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, math, number theory
Kognition's solution

732.
1363E
Tree Shuffling · Tutorial
Quality: 7,500 global accepts · Rating: 2000 · first AC: 2020-06-03 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, dp, greedy, trees
Kognition's solution

733.
1349C
Orac and Game of Life · Tutorial
Quality: 4,820 global accepts · Rating: 2000 · first AC: 2020-05-13 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, graphs, implementation, shortest paths
Kognition's solution

734.
1349B
Orac and Medians · Tutorial
Quality: 8,947 global accepts · Rating: 2000 · first AC: 2020-05-13 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, math
Kognition's solution

735.
1344B
Monopole Magnets · Tutorial
Quality: 6,354 global accepts · Rating: 2000 · first AC: 2020-05-06 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, dsu, graphs
Kognition's solution

736.
1304E
1-Trees and Queries · Tutorial
Quality: 5,877 global accepts · Rating: 2000 · first AC: 2020-02-15 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dfs and similar, shortest paths, trees
Kognition's solution

737.
1266D
Decreasing Debts · Tutorial
Quality: 3,871 global accepts · Rating: 2000 · first AC: 2019-12-17 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, graphs, greedy, implementation, math, two pointers
Kognition's solution

738.
1280C
Jeremy Bearimy · Tutorial
Quality: 3,039 global accepts · Rating: 2000 · first AC: 2019-12-15 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, graphs, greedy, trees
Kognition's solution

739.
1257E
The Contest · Tutorial
Quality: 4,537 global accepts · Rating: 2000 · first AC: 2019-11-13 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, greedy
Kognition's solution

740.
1237D
Balanced Playlist · Tutorial
Quality: 4,779 global accepts · Rating: 2000 · first AC: 2019-10-16 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, implementation
Kognition's solution

741.
1244E
Minimizing Difference · Tutorial
Quality: 6,402 global accepts · Rating: 2000 · first AC: 2019-10-13 · C++14 (GCC 6-32) (first AC) · Tags: binary search, constructive algorithms, greedy, sortings, ternary search, two pointers
Kognition's solution

742.
1209E1
Rotate Columns (easy version) · Tutorial
Quality: 3,251 global accepts · Rating: 2000 · first AC: 2019-09-14 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, dp, greedy, sortings
Kognition's solution

743.
556D
Case of Fugitive · Tutorial
Rating: 2000 · first AC: 2019-04-06 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, greedy
Kognition's solution

744.
1142B
Lynyrd Skynyrd · Tutorial
Quality: 3,739 global accepts · Rating: 2000 · first AC: 2019-03-30 · last AC: 2019-03-30 · GNU C++11 (first AC) · Tags: data structures, dfs and similar, dp, math, trees
Kognition's solution

745.
1132F
Clear the String · Tutorial
Quality: 10,714 global accepts · Rating: 2000 · first AC: 2019-03-05 · GNU C++11 (first AC) · Tags: dp
Kognition's solution

746.
1129B
Wrong Answer · Tutorial
Quality: 2,331 global accepts · Rating: 2000 · first AC: 2019-02-24 · GNU C++11 (first AC) · Tags: constructive algorithms
Kognition's solution

747.
1131D
Gourmet choice · Tutorial
Quality: 3,636 global accepts · Rating: 2000 · first AC: 2019-02-23 · GNU C++11 (first AC) · Tags: dfs and similar, dp, dsu, graphs, greedy
Kognition's solution

748.
1104D
Game with modulo · Tutorial
Rating: 2000 · first AC: 2019-01-22 · GNU C++11 (first AC) · Tags: binary search, interactive, math
Kognition's solution

749.
1101D
GCD Counting · Tutorial
Quality: 5,425 global accepts · Rating: 2000 · first AC: 2019-01-11 · GNU C++11 (first AC) · Tags: data structures, dfs and similar, dp, number theory, trees
Kognition's solution

750.
156C
Cipher · Tutorial
Quality: 2,625 global accepts · Rating: 2000 · first AC: 2018-11-24 · GNU C++11 (first AC) · Tags: combinatorics, dp
Kognition's solution

751.
128C
Games with Rectangle · Tutorial
Quality: 3,244 global accepts · Rating: 2000 · first AC: 2018-11-24 · GNU C++11 (first AC) · Tags: combinatorics, dp
Kognition's solution

752.
264C
Choosing Balls · Tutorial
Quality: 3,277 global accepts · Rating: 2000 · first AC: 2018-11-22 · GNU C++11 (first AC) · Tags: dp
Kognition's solution

753.
353D
Queue · Tutorial
Quality: 3,188 global accepts · Rating: 2000 · first AC: 2018-09-16 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dp
Kognition's solution

754.
359D
Pair of Numbers · Tutorial
Quality: 5,725 global accepts · Rating: 2000 · first AC: 2018-09-16 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, data structures, math, two pointers
Kognition's solution

755.
432D
Prefixes and Suffixes · Tutorial
Quality: 11,994 global accepts · Rating: 2000 · first AC: 2018-09-07 · C++14 (GCC 6-32) (first AC) · Tags: dp, string suffix structures, strings, two pointers
Kognition's solution

756.
446B
DZY Loves Modification · Tutorial

Quality: 3,856 global accepts · Rating: 2000 · first AC: 2018-09-05 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, greedy
Kognition's solution

757.
478D
Red-Green Towers · Tutorial
Quality: 7,145 global accepts · Rating: 2000 · first AC: 2018-08-13 · C++14 (GCC 6-32) (first AC) · Tags: dp
Kognition's solution

758.
1020D
The hat · Tutorial
Rating: 2000 · first AC: 2018-08-11 · C++14 (GCC 6-32) (first AC) · Tags: binary search, interactive
Kognition's solution

759.
242E
XOR on Segment · Tutorial
Quality: 11,863 global accepts · Rating: 2000 · first AC: 2018-07-11 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, data structures
Kognition's solution

760.
383C
Propagating tree · Tutorial
Quality: 7,524 global accepts · Rating: 2000 · first AC: 2018-07-11 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dfs and similar, trees
Kognition's solution

761.
380C
Sereja and Brackets · Tutorial
Quality: 19,781 global accepts · Rating: 2000 · first AC: 2018-07-10 · C++14 (GCC 6-32) (first AC) · Tags: data structures, schedules
Kognition's solution

762.
451D
Count Good Substrings · Tutorial
Quality: 5,064 global accepts · Rating: 2000 · first AC: 2018-06-21 · C++14 (GCC 6-32) (first AC) · Tags: math
Kognition's solution

763.
954E
Water Taps · Tutorial
Quality: 2,096 global accepts · Rating: 2000 · first AC: 2018-03-22 · C++14 (GCC 6-32) (first AC) · Tags: binary search, greedy, sortings
Kognition's solution

764.
776D
The Door Problem · Tutorial
Quality: 6,219 global accepts · Rating: 2000 · first AC: 2018-02-15 · C++14 (GCC 6-32) (first AC) · Tags: 2-sat, dfs and similar, dsu, graphs
Kognition's solution

765.
900D
Unusual Sequences · Tutorial
Quality: 3,790 global accepts · Rating: 2000 · first AC: 2018-01-18 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, combinatorics, dp, math, number theory
Kognition's solution

766.
911E
Stack Sorting · Tutorial
Quality: 2,853 global accepts · Rating: 2000 · first AC: 2018-01-16 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, data structures, greedy, implementation
Kognition's solution

767.
891B
Gluttony · Tutorial
Quality: 3,241 global accepts · Rating: 2000 · first AC: 2017-11-21 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy
Kognition's solution

768.
767C
Garland · Tutorial
Quality: 4,636 global accepts · Rating: 2000 · first AC: 2017-08-07 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs, greedy, trees
Kognition's solution

769.
2205E
Simons and Dividing the Rhythm · Tutorial
Quality: 1,574 global accepts · Rating: 2100 · first AC: 2026-03-12 · last AC: 2026-03-12 · C++23 (GCC 14-64, msys2) (first AC) · Tags: combinatorics, data structures, dp, dsu, math, string suffix structures, strings
Kognition's solution

770.
2135D1
From the Unknown (Easy Version) · Tutorial
Quality: 2,442 global accepts · Rating: 2100 · first AC: 2025-09-02 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, interactive, math
Kognition's solution

771.
920E
Connected Components? · Tutorial
Quality: 7,750 global accepts · Rating: 2100 · first AC: 2025-07-28 · C++20 (GCC 13-64) (first AC) · Tags: data structures, dfs and similar, dsu, graphs
Kognition's solution

772.
2119D
Token Removing · Tutorial
Quality: 3,474 global accepts · Rating: 2100 · first AC: 2025-07-10 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math
Kognition's solution

773.
2123G
Modular Sorting · Tutorial
Quality: 3,249 global accepts · Rating: 2100 · first AC: 2025-07-02 · last AC: 2025-07-02 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, greedy, math, number theory, sortings
Kognition's solution

774.
229D
Towers · Tutorial
Quality: 2,619 global accepts · Rating: 2100 · first AC: 2025-05-11 · last AC: 2025-05-14 · C++20 (GCC 13-64) (first AC) · Tags: dp, greedy, two pointers
Kognition's solution

775.
1464B
Grime Zoo · Tutorial
Rating: 2100 · first AC: 2020-12-20 · C++17 (GCC 7-32) (first AC) · Tags: brute force, data structures, greedy, implementation, ternary search
Kognition's solution

776.
1392E
Omkar and Duck · Tutorial
Quality: 3,748 global accepts · Rating: 2100 · first AC: 2020-08-16 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, interactive, math
Kognition's solution

777.
1393D
Rarity and New Dress · Tutorial
Quality: 4,193 global accepts · Rating: 2100 · first AC: 2020-08-11 · last AC: 2020-08-11 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, dp, implementation, shortest paths
Kognition's solution

778.
1389D
Segment Intersections · Tutorial
Quality: 4,554 global accepts · Rating: 2100 · first AC: 2020-07-29 · C++17 (GCC 7-32) (first AC) · Tags: brute force, greedy, implementation, math
Kognition's solution

779.
441D
Valera and Swaps · Tutorial
Quality: 1,200 global accepts · Rating: 2100 · first AC: 2020-07-15 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dsu, graphs, implementation, math, string suffix structures
Kognition's solution

780.
1372D
Omkar and Circle · Tutorial
Quality: 5,720 global accepts · Rating: 2100 · first AC: 2020-07-11 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dp, games, greedy
Kognition's solution

781.
343D
Water Tree · Tutorial
Quality: 6,850 global accepts · Rating: 2100 · first AC: 2020-07-10 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dfs and similar, graphs, trees
Kognition's solution

782.
1370E
Binary Subsequence Rotation · Tutorial
Quality: 5,220 global accepts · Rating: 2100 · first AC: 2020-06-21 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, data structures, greedy
Kognition's solution

783.
1367F1
Flying Sort (Easy Version) · Tutorial
Quality: 3,626 global accepts · Rating: 2100 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy, two pointers
Kognition's solution

784.
1364D
Ehab's Last Corollary · Tutorial
Quality: 4,962 global accepts · Rating: 2100 · first AC: 2020-06-15 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, greedy, implementation, trees
Kognition's solution

785.
1365F
Swaps Again · Tutorial
Quality: 4,757 global accepts · Rating: 2100 · first AC: 2020-06-07 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, implementation, sortings
Kognition's solution

786.
1363D
Guess The Maximums · Tutorial
Quality: 4,418 global accepts · Rating: 2100 · first AC: 2020-06-03 · C++17 (GCC 7-32) (first AC) · Tags: binary search, implementation, interactive, math

Kognition's solution

787.
333D
Characteristics of Rectangles · Tutorial
Quality: 2,239 global accepts · Rating: 2100 · first AC: 2020-04-13 · C++17 (GCC 7-32) (first AC) · Tags: binary search, bitmasks, brute force, implementation, sortings
Kognition's solution

788.
1333D
Challenges in school ! 41 Tutorial
Quality: 4,131 global accepts · Rating: 2100 · first AC: 2020-04-08 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, games, graphs, greedy, implementation, sortings
Kognition's solution

789.
1332E
Height All the Same · Tutorial
Quality: 4,312 global accepts · Rating: 2100 · first AC: 2020-03-31 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, constructive algorithms, math, matrices
Kognition's solution

790.
1278D
Segment Tree · Tutorial
Quality: 4,330 global accepts · Rating: 2100 · first AC: 2019-12-23 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dsu, graphs, trees
Kognition's solution

791.
1217D
Coloring Edges · Tutorial
Quality: 5,946 global accepts · Rating: 2100 · first AC: 2019-09-05 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs
Kognition's solution

792.
1151E
Number of Components · Tutorial
Quality: 3,770 global accepts · Rating: 2100 · first AC: 2019-04-19 · GNU C++11 (first AC) · Tags: combinatorics, data structures, dp, math
Kognition's solution

793.
1106E
Lunar New Year and Red Envelopes · Tutorial
Quality: 2,816 global accepts · Rating: 2100 · first AC: 2019-01-31 · last AC: 2019-01-31 · GNU C++11 (first AC) · Tags: data structures, dp
Kognition's solution

794.
269C
Flawed Flow · Tutorial
Quality: 1,818 global accepts · Rating: 2100 · first AC: 2019-01-19 · last AC: 2019-01-19 · GNU C++11 (first AC) · Tags: constructive algorithms, flows, graphs, greedy
Kognition's solution

795.
414C
Mashmokh and Reverse Operation · Tutorial
Quality: 2,359 global accepts · Rating: 2100 · first AC: 2018-11-21 · GNU C++11 (first AC) · Tags: combinatorics, divide and conquer
Kognition's solution

796.
1039B
Subway Pursuit · Tutorial
Quality: 2,597 global accepts · Rating: 2100 · first AC: 2018-11-15 · GNU C++11 (first AC) · Tags: binary search, interactive, probabilities
Kognition's solution

797.
486D
Valid Sets · Tutorial
Quality: 4,380 global accepts · Rating: 2100 · first AC: 2018-09-16 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, math, trees
Kognition's solution

798.
1025D
Recovering BST · Tutorial
Quality: 4,138 global accepts · Rating: 2100 · first AC: 2018-08-19 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dp, math, number theory, trees
Kognition's solution

799.
484B
Maximum Value · Tutorial
Quality: 7,736 global accepts · Rating: 2100 · first AC: 2018-06-29 · C++14 (GCC 6-32) (first AC) · Tags: binary search, math, sortings, two pointers
Kognition's solution

800.
996C
Tesla · Tutorial
Rating: 2100 · first AC: 2018-06-24 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

801.
455C
Civilization · Tutorial
Quality: 6,469 global accepts · Rating: 2100 · first AC: 2018-06-20 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, dsu, ternary search, trees
Kognition's solution

802.
994E
Careful Maneuvering · Tutorial
Rating: 2100 · first AC: 2018-06-17 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, data structures
Kognition's solution

803.
990E
Post Lamps · Tutorial
Quality: 2,163 global accepts · Rating: 2100 · first AC: 2018-06-10 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy
Kognition's solution

804.
985D
Sand Fortress · Tutorial
Quality: 2,753 global accepts · Rating: 2100 · first AC: 2018-05-23 · PyPy 2 (first AC) · Tags: binary search, constructive algorithms, math
Kognition's solution

805.
937D
Sleepy Game · Tutorial
Rating: 2100 · first AC: 2018-03-01 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, games, graphs
Kognition's solution

806.
776E
The Holmes Children · Tutorial
Quality: 2,445 global accepts · Rating: 2100 · first AC: 2018-02-15 · C++14 (GCC 6-32) (first AC) · Tags: math, number theory
Kognition's solution

807.
909D
Colorful Points · Tutorial

Quality: 2,107 global accepts · Rating: 2100 · first AC: 2018-01-04 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy, implementation
Kognition's solution

808.
899F
Letters Removing · Tutorial
Quality: 2,031 global accepts · Rating: 2100 · first AC: 2017-12-19 · C++14 (GCC 6-32) (first AC) · Tags: data structures, strings
Kognition's solution

809.
767B
The Queue · Tutorial
Quality: 2,248 global accepts · Rating: 2100 · first AC: 2017-08-07 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy
Kognition's solution

810.
767D
Cartons of milk · Tutorial
Quality: 2,414 global accepts · Rating: 2100 · first AC: 2017-08-01 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, greedy, sortings, two pointers
Kognition's solution

811.
1034B
Little C Loves 3 II · Tutorial
Quality: 2,290 global accepts · Rating: 2200 · first AC: 2025-09-07 · C++23 (GCC 14-64, msys2) (first AC) · Tags: brute force, constructive algorithms, flows, graph matchings
Kognition's solution

812.
2113D
Cheater · Tutorial
Quality: 2,878 global accepts · Rating: 2200 · first AC: 2025-08-27 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, constructive algorithms, greedy, implementation
Kognition's solution

813.
305D
Olya and Graph · Tutorial
Quality: 555 global accepts · Rating: 2200 · first AC: 2025-08-22 · C++23 (GCC 14-64, msys2) (first AC) · Tags: combinatorics, math
Kognition's solution

814.
1607G
Banquet Preparations 1 · Tutorial
Quality: 1,743 global accepts · Rating: 2200 · first AC: 2025-08-22 · C++23 (GCC 14-64, msys2) (first AC) · Tags: greedy
Kognition's solution

815.
1607H
Banquet Preparations 2 · Tutorial
Quality: 1,427 global accepts · Rating: 2200 · first AC: 2025-08-22 · last AC: 2025-08-22 · C++23 (GCC 14-64, msys2) (first AC) · Tags: greedy, sortings, two pointers
Kognition's solution

816.
538E
Demiurges Play Again · Tutorial
Quality: 1,639 global accepts · Rating: 2200 · first AC: 2025-07-19 · C++20 (GCC 13-64) (first AC) · Tags: dfs and similar, dp, math, trees
Kognition's solution

817.
2118D2
Red Light, Green Light (Hard version) · Tutorial
Quality: 2,498 global accepts · Rating: 2200 · first AC: 2025-07-06 · last AC: 2025-07-06 · C++20 (GCC 13-64) (first AC) · Tags: binary search, brute force, data structures, dfs and similar, dp, graphs, implementation, math, number theory

Kognition's solution

818.
2112E
Tree Colorings · Tutorial
Quality: 3,379 global accepts · Rating: 2200 · first AC: 2025-06-23 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dfs and similar, dp, graphs, math, number theory, trees
Kognition's solution

819.
323B
Tournament-graph · Tutorial
Quality: 470 global accepts · Rating: 2200 · first AC: 2025-05-16 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, graphs
Kognition's solution

820.
1695D1
Tree Queries (Easy Version) · Tutorial
Quality: 2,457 global accepts · Rating: 2200 · first AC: 2025-05-14 · C++20 (GCC 13-64) (first AC) · Tags: brute force, constructive algorithms, dfs and similar, dp, greedy, trees
Kognition's solution

821.
1468H
K and Medians · Tutorial
Quality: 1,996 global accepts · Rating: 2200 · first AC: 2020-12-27 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, math
Kognition's solution

822.
691F
Couple Cover · Tutorial
Quality: 1,437 global accepts · Rating: 2200 · first AC: 2020-08-13 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dp, number theory
Kognition's solution

823.
1389E
Calendar Ambiguity · Tutorial
Quality: 3,724 global accepts · Rating: 2200 · first AC: 2020-07-30 · C++17 (GCC 7-32) (first AC) · Tags: math, number theory
Kognition's solution

824.
645E
Intellectual Inquiry · Tutorial
Quality: 1,408 global accepts · Rating: 2200 · first AC: 2020-07-17 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy, strings
Kognition's solution

825.
651E
Table Compression · Tutorial
Rating: 2200 · first AC: 2020-07-16 · C++17 (GCC 7-32) (first AC) · Tags: dsu, graphs, greedy
Kognition's solution

826.
1110D
Jongmah · Tutorial
Quality: 3,997 global accepts · Rating: 2200 · first AC: 2020-07-07 · C++17 (GCC 7-32) (first AC) · Tags: dp
Kognition's solution

827.
1373E
Sum of Digits · Tutorial
Quality: 2,952 global accepts · Rating: 2200 · first AC: 2020-06-25 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, dp, greedy
Kognition's solution

828.
429D
Tricky Function · Tutorial
Quality: 3,232 global accepts · Rating: 2200 · first AC: 2020-04-13 · C++17 (GCC 7-32) (first AC) · Tags: data structures, divide and conquer, geometry
Kognition's solution

829.
1338C
Perfect Triples · Tutorial
Quality: 3,440 global accepts · Rating: 2200 · first AC: 2020-04-12 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, brute force, constructive algorithms, divide and conquer, math
Kognition's solution

830.
1333F
Kate and imperfection · Tutorial
Quality: 4,573 global accepts · Rating: 2200 · first AC: 2020-04-08 · C++17 (GCC 7-32) (first AC) · Tags: greedy, implementation, math, number theory, sortings, two pointers
Kognition's solution

831.
1327D
Infinite Path · Tutorial
Quality: 3,549 global accepts · Rating: 2200 · first AC: 2020-03-29 · last AC: 2020-03-29 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dfs and similar, graphs, math, number theory
Kognition's solution

832.
1328F
Make k Equal · Tutorial
Quality: 3,525 global accepts · Rating: 2200 · first AC: 2020-03-28 · C++17 (GCC 7-32) (first AC) · Tags: greedy
Kognition's solution

833.
1215E
Marbles · Tutorial
Quality: 3,461 global accepts · Rating: 2200 · first AC: 2019-11-03 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, dp
Kognition's solution

834.
1153E
Serval and Snake · Tutorial
Quality: 1,757 global accepts · Rating: 2200 · first AC: 2019-04-13 · GNU C++11 (first AC) · Tags: binary search, brute force, interactive
Kognition's solution

835.
1140E
Palindrome-less Arrays · Tutorial
Quality: 2,112 global accepts · Rating: 2200 · first AC: 2019-03-22 · GNU C++11 (first AC) · Tags: combinatorics, divide and conquer, dp
Kognition's solution

836.
1110E
Magic Stones · Tutorial
Quality: 4,720 global accepts · Rating: 2200 · first AC: 2019-02-23 · GNU C++11 (first AC) · Tags: constructive algorithms, math, sortings
Kognition's solution

837.
1114E
Arithmetic Progression · Tutorial
Quality: 3,191 global accepts · Rating: 2200 · first AC: 2019-02-16 · GNU C++11 (first AC) · Tags: binary search, interactive, number theory, probabilities
Kognition's solution

838.
1100E
Andrew and Taxi · Tutorial
Quality: 2,630 global accepts · Rating: 2200 · first AC: 2019-01-16 · GNU C++11 (first AC) · Tags: binary search, dfs and similar, graphs
Kognition's solution

839.
282E
Sausage Maximization · Tutorial
Quality: 4,329 global accepts · Rating: 2200 · first AC: 2018-11-23 · GNU C++11 (first AC) · Tags: bitmasks, data structures, trees
Kognition's solution

840.
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
Kognition's solution

841.
915D
Almost Acyclic Graph · Tutorial
Quality: 4,056 global accepts · Rating: 2200 · first AC: 2018-01-15 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs
Kognition's solution

842.
908D
New Year and Arbitrary Arrangement · Tutorial
Quality: 2,607 global accepts · Rating: 2200 · first AC: 2018-01-03 · C++14 (GCC 6-32) (first AC) · Tags: dp, math, probabilities
Kognition's solution

843.
903E
Swapping Characters · Tutorial
Quality: 1,577 global accepts · Rating: 2200 · first AC: 2017-12-25 · C++14 (GCC 6-32) (first AC) · Tags: brute force, hashing, implementation, strings
Kognition's solution

844.
1188B
Count Pairs · Tutorial
Quality: 5,169 global accepts · Rating: 2300 · first AC: 2020-06-30 · last AC: 2025-09-05 · C++17 (GCC 7-32) (first AC) · Tags: math, matrices, number theory, two pointers
Kognition's solution

845.
1182E
Product Oriented Recurrence · Tutorial
Quality: 3,329 global accepts · Rating: 2300 · first AC: 2025-09-05 · C++23 (GCC 14-64, msys2) (first AC) · Tags: dp, math, matrices, number theory
Kognition's solution

846.
2134D
Sliding Tree · Tutorial
Quality: 3,646 global accepts · Rating: 2300 · first AC: 2025-08-26 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, dfs and similar, greedy, implementation, trees
Kognition's solution

847.
2134E
Power Boxes · Tutorial
Quality: 2,403 global accepts · Rating: 2300 · first AC: 2025-08-26 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, dp, implementation, interactive
Kognition's solution

848.
467E
Alex and Complicated Task · Tutorial
Quality: 852 global accepts · Rating: 2300 · first AC: 2025-08-23 · last AC: 2025-08-23 · C++23 (GCC 14-64, msys2) (first AC) · Tags: data structures, dp, greedy
Kognition's solution

849.
2129C3
Interactive RBS (Hard Version) · Tutorial
Quality: 1,664 global accepts · Rating: 2300 · first AC: 2025-08-12 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, bitmasks, constructive algorithms, dp, interactive
Kognition's solution

850.
1172C1
Nauuo and Pictures (easy version) · Tutorial
Quality: 1,225 global accepts · Rating: 2300 · first AC: 2025-07-23 · C++20 (GCC 13-64) (first AC) · Tags: dp, probabilities
Kognition's solution

851.
2097B
Baggage Claim · Tutorial
Quality: 1,932 global accepts · Rating: 2300 · first AC: 2025-07-22 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dfs and similar, dp, dsu, graphs, implementation, math, trees
Kognition's solution

852.
1228E
Another Filling the Grid · Tutorial
Quality: 3,453 global accepts · Rating: 2300 · first AC: 2025-07-22 · last AC: 2025-07-22 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math
Kognition's solution

853.
762D
Maximum path · Tutorial
Quality: 1,810 global accepts · Rating: 2300 · first AC: 2025-07-20 · C++20 (GCC 13-64) (first AC) · Tags: dp, greedy, implementation
Kognition's solution

854.
543D
Road Improvement · Tutorial
Quality: 3,255 global accepts · Rating: 2300 · first AC: 2025-07-11 · last AC: 2025-07-11 · C++20 (GCC 13-64) (first AC) · Tags: dp, trees
Kognition's solution

855.
547C
Mike and Foam · Tutorial
Quality: 3,401 global accepts · Rating: 2300 · first AC: 2025-07-10 · last AC: 2025-07-10 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, combinatorics, dp, math, number theory
Kognition's solution

856.
585D
Lizard Era: Beginning · Tutorial
Quality: 2,039 global accepts · Rating: 2300 · first AC: 2025-07-03 · C++20 (GCC 13-64) (first AC) · Tags: meet-in-the-middle
Kognition's solution

857.
1658D2
388535 (Hard Version) · Tutorial
Quality: 3,178 global accepts · Rating: 2300 · first AC: 2025-05-21 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, data structures, math
Kognition's solution

858.
1695D2
Tree Queries (Hard Version) · Tutorial
Quality: 2,292 global accepts · Rating: 2300 · first AC: 2025-05-14 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, dp, greedy, trees
Kognition's solution

859.
1464C
Poman Numbers · Tutorial
Rating: 2300 · first AC: 2020-12-20 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, dp, greedy, math
Kognition's solution

860.
1404C
Fixed Point Removal · Tutorial
Quality: 3,050 global accepts · Rating: 2300 · first AC: 2020-09-06 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, data structures, greedy, two pointers
Kognition's solution

861.
1396C
Monster Invaders · Tutorial
Quality: 2,784 global accepts · Rating: 2300 · first AC: 2020-08-30 · last AC: 2020-09-01 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy, implementation
Kognition's solution

862.
1394B
Boboniu Walks on Graph · Tutorial
Quality: 2,146 global accepts · Rating: 2300 · first AC: 2020-08-12 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dfs and similar, graphs, hashing
Kognition's solution

863.
936C
Lock Puzzle · Tutorial
Quality: 1,259 global accepts · Rating: 2300 · first AC: 2020-07-19 · last AC: 2020-07-19 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, implementation, strings
Kognition's solution

864.
1385F
Removing Leaves · Tutorial
Quality: 2,823 global accepts · Rating: 2300 · first AC: 2020-07-17 · C++17 (GCC 7-32) (first AC) · Tags: data structures, greedy, implementation, trees
Kognition's solution

865.
723F
st-Spanning Tree · Tutorial
Quality: 1,752 global accepts · Rating: 2300 · first AC: 2020-07-15 · C++17 (GCC 7-32) (first AC) · Tags: dsu, graphs, greedy, implementation
Kognition's solution

866.
1148E
Earth Wind and Fire · Tutorial
Quality: 1,824 global accepts · Rating: 2300 · first AC: 2020-07-08 · last AC: 2020-07-08 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, math, sortings, two pointers
Kognition's solution

867.
600E
Lomsat gelral · Tutorial
Quality: 18,413 global accepts · Rating: 2300 · first AC: 2020-06-23 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dfs and similar, dsu, trees

Kognition's solution

868.
1342E
Placing Rooks · Tutorial
Quality: 3,559 global accepts · Rating: 2300 · first AC: 2020-04-26 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, fft, math
Kognition's solution

869.
383D
Antimatter · Tutorial
Quality: 3,342 global accepts · Rating: 2300 · first AC: 2020-04-14 · C++17 (GCC 7-32) (first AC) · Tags: dp
Kognition's solution

870.
1276C
Beautiful Rectangle · Tutorial
Quality: 1,788 global accepts · Rating: 2300 · first AC: 2019-12-16 · last AC: 2019-12-16 · C++17 (GCC 7-32) (first AC) · Tags: brute force, combinatorics, constructive algorithms, data structures, greedy, math
Kognition's solution

871.
1254C
Point Ordering · Tutorial
Quality: 1,596 global accepts · Rating: 2300 · first AC: 2019-11-24 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, geometry, interactive, math
Kognition's solution

872.
1244F
Chips · Tutorial
Quality: 1,633 global accepts · Rating: 2300 · first AC: 2019-10-13 · last AC: 2019-10-13 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation
Kognition's solution

873.
1131E
String Multiplication · Tutorial
Quality: 1,262 global accepts · Rating: 2300 · first AC: 2019-02-23 · GNU C++11 (first AC) · Tags: dp, greedy, strings
Kognition's solution

874.
1096F
Inversion Expectation · Tutorial
Quality: 2,060 global accepts · Rating: 2300 · first AC: 2018-12-30 · GNU C++11 (first AC) · Tags: dp, math, probabilities
Kognition's solution

875.
996E
Leaving the Bar · Tutorial
Rating: 2300 · first AC: 2018-06-24 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, geometry, greedy, math, sortings
Kognition's solution

876.
915E
Physical Education Lessons · Tutorial
Quality: 5,573 global accepts · Rating: 2300 · first AC: 2018-01-15 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation, sortings
Kognition's solution

877.
611E
New Year and Three Musketeers · Tutorial
Quality: 904 global accepts · Rating: 2400 · first AC: 2025-08-24 · C++23 (GCC 14-64, msys2) (first AC) · Tags: data structures, greedy, sortings
Kognition's solution

878.
2096E
Wonderful Teddy Bears · Tutorial
Quality: 2,047 global accepts · Rating: 2400 · first AC: 2025-07-02 · C++20 (GCC 13-64) (first AC) · Tags: greedy, implementation, sortings
Kognition's solution

879.
119E
Alternative Reality · Tutorial
Quality: 123 global accepts · Rating: 2400 · first AC: 2025-06-10 · last AC: 2025-06-10 · C++20 (GCC 13-64) (first AC) · Tags: geometry
Kognition's solution

880.
1913E
Matrix Problem · Tutorial
Quality: 1,335 global accepts · Rating: 2400 · first AC: 2025-05-27 · last AC: 2025-05-27 · C++20 (GCC 13-64) (first AC) · Tags: flows, graphs
Kognition's solution

881.
1667C
Half Queen Cover · Tutorial
Quality: 1,907 global accepts · Rating: 2400 · first AC: 2025-05-20 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, math
Kognition's solution

882.
1469E
A Bit Similar · Tutorial
Quality: 2,200 global accepts · Rating: 2400 · first AC: 2020-12-29 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, brute force, hashing, string suffix structures, strings, two pointers
Kognition's solution

883.
1463E
Plan of Lectures · Tutorial
Quality: 1,733 global accepts · Rating: 2400 · first AC: 2020-12-19 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, dsu, graphs, implementation, sortings, trees
Kognition's solution

884.
1392F
Omkar and Landslide · Tutorial
Quality: 2,403 global accepts · Rating: 2400 · first AC: 2020-08-16 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, data structures, greedy, math
Kognition's solution

885.
1374F
Cyclic Shifts Sorting · Tutorial
Quality: 1,398 global accepts · Rating: 2400 · first AC: 2020-06-29 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, implementation, sortings
Kognition's solution

886.
1373F
Network Coverage · Tutorial
Quality: 1,878 global accepts · Rating: 2400 · first AC: 2020-06-26 · last AC: 2020-06-26 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, data structures, greedy
Kognition's solution

887.
1370F1
The Hidden Pair (Easy Version) · Tutorial
Quality: 1,784 global accepts · Rating: 2400 · first AC: 2020-06-21 · last AC: 2020-06-21 · C++17 (GCC 7-32) (first AC) · Tags: binary search, dfs and similar, graphs, interactive, shortest paths, trees
Kognition's solution

888.
1367F2
Flying Sort (Hard Version) · Tutorial
Quality: 1,869 global accepts · Rating: 2400 · first AC: 2020-06-17 · C++17 (GCC 7-32) (first AC) · Tags: binary search, data structures, dp, greedy, sortings, two pointers
Kognition's solution

889.
1358E
Are You Fired? · Tutorial
Quality: 2,451 global accepts · Rating: 2400 · first AC: 2020-05-26 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, greedy, implementation
Kognition's solution

890.
1333E
Road to 1600 · Tutorial
Quality: 1,818 global accepts · Rating: 2400 · first AC: 2020-04-08 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms
Kognition's solution

891.
1329C
Drazil Likes Heap · Tutorial
Quality: 1,804 global accepts · Rating: 2400 · first AC: 2020-04-03 · last AC: 2020-04-03 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, greedy, implementation
Kognition's solution

892.
1264C
Beautiful Mirrors with queries · Tutorial
Quality: 1,322 global accepts · Rating: 2400 · first AC: 2019-12-05 · C++17 (GCC 7-32) (first AC) · Tags: data structures, probabilities
Kognition's solution

893.
1260E
Tournament · Tutorial
Quality: 1,890 global accepts · Rating: 2400 · first AC: 2019-11-27 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dp, greedy
Kognition's solution

894.
1242C
Sum Balance · Tutorial
Quality: 1,948 global accepts · Rating: 2400 · first AC: 2019-11-06 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, dfs and similar, dp, graphs
Kognition's solution

895.
1101F
Trucks and Cities · Tutorial
Quality: 1,631 global accepts · Rating: 2400 · first AC: 2019-01-12 · GNU C++11 (first AC) · Tags: binary search, dp
Kognition's solution

896.
932E
Team Work · Tutorial
Quality: 3,436 global accepts · Rating: 2400 · first AC: 2019-01-10 · GNU C++11 (first AC) · Tags: combinatorics, dp, math
Kognition's solution

897.
908F
New Year and Rainbow Roads · Tutorial
Quality: 1,610 global accepts · Rating: 2400 · first AC: 2018-04-11 · C++14 (GCC 6-32) (first AC) · Tags: graphs, greedy, implementation
Kognition's solution

898.
911F
Tree Destruction · Tutorial

Quality: 2,276 global accepts · Rating: 2400 · first AC: 2018-01-16 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, greedy, trees
Kognition's solution

899.
915F
Imbalance Value of a Tree · Tutorial
Quality: 3,055 global accepts · Rating: 2400 · first AC: 2018-01-15 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dsu, graphs, trees
Kognition's solution

900.
767E
Change-free · Tutorial
Quality: 1,072 global accepts · Rating: 2400 · first AC: 2017-08-07 · C++14 (GCC 6-32) (first AC) · Tags: greedy
Kognition's solution

901.
2113F
Two Arrays · Tutorial
Quality: 952 global accepts · Rating: 2500 · first AC: 2025-08-27 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, math
Kognition's solution

902.
2133E
I Yearned For The Mines · Tutorial
Quality: 1,696 global accepts · Rating: 2500 · first AC: 2025-08-24 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, dfs and similar, dp, greedy, trees
Kognition's solution

903.
46G
Emperor's Problem · Tutorial
Quality: 134 global accepts · Rating: 2500 · first AC: 2025-08-12 · C++23 (GCC 14-64, msys2) (first AC) · Tags: geometry
Kognition's solution

904.
119D
String Transformation · Tutorial
Quality: 625 global accepts · Rating: 2500 · first AC: 2025-05-29 · last AC: 2025-05-29 · C++20 (GCC 13-64) (first AC) · Tags: hashing, strings
Kognition's solution

905.
628F
Bear and Fair Set · Tutorial
Quality: 964 global accepts · Rating: 2500 · first AC: 2025-05-28 · last AC: 2025-05-28 · C++20 (GCC 13-64) (first AC) · Tags: flows, graphs
Kognition's solution

906.
1427E
Xum · Tutorial
Quality: 1,632 global accepts · Rating: 2500 · first AC: 2020-10-10 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, math, matrices, number theory
Kognition's solution

907.
986C
AND Graph · Tutorial
Quality: 2,716 global accepts · Rating: 2500 · first AC: 2020-07-23 · last AC: 2020-07-23 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, dfs and similar, dsu, graphs
Kognition's solution

908.
1381C
Mastermind · Tutorial
Quality: 1,710 global accepts · Rating: 2500 · first AC: 2020-07-21 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, graph

matchings, greedy, implementation, sortings, two pointers
Kognition's solution

909.
135D
Cycle · Tutorial
Quality: 314 global accepts · Rating: 2500 · first AC: 2020-07-15 · C++17 (GCC 7-32) (first AC) · Tags: brute force, dfs and similar, implementation
Kognition's solution

910.
1188C
Array Beauty · Tutorial
Quality: 2,133 global accepts · Rating: 2500 · first AC: 2020-06-30 · C++17 (GCC 7-32) (first AC) · Tags: dp
Kognition's solution

911.
1188A2
Add on a Tree: Revolution · Tutorial
Quality: 1,297 global accepts · Rating: 2500 · first AC: 2020-06-30 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, implementation, trees
Kognition's solution

912.
1368E
Ski Accidents · Tutorial
Quality: 2,363 global accepts · Rating: 2500 · first AC: 2020-06-18 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, graphs, greedy
Kognition's solution

913.
1361C
Johnny and Megan's Necklace · Tutorial
Quality: 1,836 global accepts · Rating: 2500 · first AC: 2020-06-04 · last AC: 2020-06-04 · C++17 (GCC 7-32) (first AC) · Tags: binary search, bitmasks, constructive algorithms, dfs and similar, dsu, graphs
Kognition's solution

914.
1332F
Independent Set · Tutorial
Quality: 1,129 global accepts · Rating: 2500 · first AC: 2020-04-02 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, dp, trees
Kognition's solution

915.
1253F
Cheap Robot · Tutorial
Quality: 2,254 global accepts · Rating: 2500 · first AC: 2019-11-23 · C++17 (GCC 7-32) (first AC) · Tags: binary search, dsu, graphs, shortest paths, trees
Kognition's solution

916.
1100D
Dasha and Chess · Tutorial
Quality: 916 global accepts · Rating: 2500 · first AC: 2019-01-16 · GNU C++11 (first AC) · Tags: constructive algorithms, games, interactive
Kognition's solution

917.
996F
Game · Tutorial
Rating: 2500 · first AC: 2018-06-24 · C++14 (GCC 6-32) (first AC) · Tags: math
Kognition's solution

918.
911G
Mass Change Queries · Tutorial
Quality: 3,782 global accepts · Rating: 2500 · first AC: 2018-01-16 · C++14 (GCC 6-32) (first AC) · Tags: data structures
Kognition's solution

919.
909F
AND-permutations · Tutorial
Quality: 635 global accepts · Rating: 2500 · first AC: 2018-01-05 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms
Kognition's solution

920.
2128E2
Submedians (Hard Version) · Tutorial
Quality: 796 global accepts · Rating: 2600 · first AC: 2025-07-28 · C++20 (GCC 13-64) (first AC) · Tags: binary search, constructive algorithms, data structures, math, two pointers
Kognition's solution

921.
1394C
Boboniu and String · Tutorial
Quality: 1,224 global accepts · Rating: 2600 · first AC: 2020-08-12 · C++17 (GCC 7-32) (first AC) · Tags: binary search, geometry, ternary search
Kognition's solution

922.
1391E
Pairs of Pairs · Tutorial
Quality: 1,928 global accepts · Rating: 2600 · first AC: 2020-08-10 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, greedy, trees
Kognition's solution

923.
1380G
Circular Dungeon · Tutorial
Quality: 935 global accepts · Rating: 2600 · first AC: 2020-07-13 · C++17 (GCC 7-32) (first AC) · Tags: greedy, math, probabilities
Kognition's solution

924.
1110F
Nearest Leaf · Tutorial
Quality: 2,051 global accepts · Rating: 2600 · first AC: 2020-07-07 · C++17 (GCC 7-32) (first AC) · Tags: data structures, trees
Kognition's solution

925.
1373G
Pawns · Tutorial
Quality: 923 global accepts · Rating: 2600 · first AC: 2020-06-25 · C++17 (GCC 7-32) (first AC) · Tags: data structures, divide and conquer, greedy
Kognition's solution

926.
1363F
Rotating Substrings · Tutorial
Quality: 1,739 global accepts · Rating: 2600 · first AC: 2020-06-03 · C++17 (GCC 7-32) (first AC) · Tags: dp, strings
Kognition's solution

927.
1344C
Quantifier Question · Tutorial
Quality: 1,980 global accepts · Rating: 2600 · first AC: 2020-05-07 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, dp, graphs, math
Kognition's solution

928.
1257G
Divisor Set · Tutorial
Quality: 736 global accepts · Rating: 2600 · first AC: 2019-11-13 · C++14 (GCC 6-32) (first AC) · Tags: divide and conquer, fft, greedy, math, number theory
Kognition's solution

929.
1061E
Politics · Tutorial
Quality: 603 global accepts · Rating: 2600 · first AC: 2018-11-22 · last AC: 2018-11-23 · GNU C++11 (first AC) · Tags: flows, graphs
Kognition's solution

930.
1148F
Foo Fighters · Tutorial
Quality: 1,132 global accepts · Rating: 2700 · first AC: 2020-07-08 · last AC: 2020-07-08 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms
Kognition's solution

931.
1370F2
The Hidden Pair (Hard Version) · Tutorial
Quality: 1,669 global accepts · Rating: 2700 · first AC: 2020-06-21 · last AC: 2020-06-21 · C++17 (GCC 7-32) (first AC) · Tags: binary search, dfs and similar, graphs, interactive, shortest paths, trees
Kognition's solution

932.
1366F
Jog Around The Graph · Tutorial
Quality: 895 global accepts · Rating: 2700 · first AC: 2020-06-16 · C++17 (GCC 7-32) (first AC) · Tags: binary search, dp, geometry, graphs
Kognition's solution

933.
1366G
Construct the String · Tutorial
Quality: 619 global accepts · Rating: 2700 · first AC: 2020-06-16 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dp, strings
Kognition's solution

934.
1364E
X-OR · Tutorial
Quality: 1,551 global accepts · Rating: 2700 · first AC: 2020-06-15 · last AC: 2020-06-15 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, constructive algorithms, divide and conquer, interactive, probabilities
Kognition's solution

935.
1358F
Tasty Cookie · Tutorial
Quality: 502 global accepts · Rating: 2700 · first AC: 2020-06-09 · C++17 (GCC 7-32) (first AC) · Tags: binary search, constructive algorithms, greedy, implementation
Kognition's solution

936.
1104E
Johnny Solving · Tutorial
Rating: 2700 · first AC: 2019-01-22 · GNU C++11 (first AC) · Tags: constructive algorithms, graphs, math
Kognition's solution

937.
1394D
Boboniu and Jianghu · Tutorial
Quality: 1,226 global accepts · Rating: 2800 · first AC: 2020-08-12 · last AC: 2020-08-12 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy, sortings, trees
Kognition's solution

938.
1383D
Rearrange · Tutorial
Quality: 762 global accepts · Rating: 2800 · first AC: 2020-07-24 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, graphs, greedy, sortings
Kognition's solution

939.
1379E
Inverse Genealogy · Tutorial
Quality: 473 global accepts · Rating: 2800 · first AC: 2020-07-20 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, divide and conquer, dp, math, trees
Kognition's solution

940.
1365G
Secure Password · Tutorial
Quality: 1,415 global accepts · Rating: 2800 · first AC: 2020-06-09 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, combinatorics, constructive algorithms, interactive, math
Kognition's solution

941.
1372E
Omkar and Last Floor · Tutorial
Quality: 1,433 global accepts · Rating: 2900 · first AC: 2020-07-12 · C++17 (GCC 7-32) (first AC) · Tags: dp, greedy, two pointers
Kognition's solution

942.
1007C
Guess two numbers · Tutorial
Quality: 527 global accepts · Rating: 3000 · first AC: 2020-06-30 · C++17 (GCC 7-32) (first AC) · Tags: binary search, interactive
Kognition's solution

943.
1361E
James and the Chase · Tutorial
Quality: 987 global accepts · Rating: 3000 · first AC: 2020-06-09 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, graphs, probabilities, trees
Kognition's solution

944.
1020E
Sergey's problem · Tutorial
Rating: 3000 · first AC: 2018-08-11 · C++14 (GCC 6-32) (first AC) · Tags: graphs
Kognition's solution

945.
2046D
For the Emperor! · Tutorial
Quality: 551 global accepts · Rating: 3100 · first AC: 2025-05-30 · C++20 (GCC 13-64) (first AC) · Tags: flows, graphs
Kognition's solution

946.
1110G
Tree-Tac-Toe · Tutorial
Quality: 742 global accepts · Rating: 3100 · first AC: 2020-07-06 · last AC: 2020-07-06 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, games, trees
Kognition's solution

947.
1349D
Slime and Biscuits · Tutorial
Quality: 1,052 global accepts · Rating: 3200 · first AC: 2020-06-09 · C++17 (GCC 7-32) (first AC) · Tags: math, probabilities
Kognition's solution

948.
2224B
Zhily and Mex and Max · Tutorial
Quality: 3,654 global accepts · Rating: — · first AC: 2026-05-06 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, greedy, math, sortings
Kognition's solution

949.
1331D
Again? · Tutorial
Quality: 12,102 global accepts · Rating: — · first AC: 2020-04-01 · C++17 (GCC 7-32) (first AC) · Tags: *special, implementation
Kognition's solution

950.
1331A
Is it rated? · Tutorial
Quality: 17,508 global accepts · Rating: — · first AC: 2020-04-01 · Python 3 (first AC) · Tags: *special
Kognition's solution

951.
100729A
Binomial coefficients · Tutorial
Rating: — · first AC: 2020-02-13 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

952.
100729H
Tichu · Tutorial
Rating: — · first AC: 2020-02-12 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

953.
100729B
Bird tree · Tutorial
Rating: — · first AC: 2020-02-12 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

954.
100729C
Movie collection · Tutorial
Rating: — · first AC: 2020-02-12 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

955.
100729E
Please, go first · Tutorial
Rating: — · first AC: 2020-02-11 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

956.
101623K
Knockout Tournament · Tutorial
Rating: — · first AC: 2020-02-06 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

957.
101623I
Installing Apps · Tutorial
Rating: — · first AC: 2020-02-05 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

958.
101623B
Boss Battle · Tutorial
Rating: — · first AC: 2020-02-04 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

959.
101666M
Manhattan Mornings · Tutorial
Rating: — · first AC: 2019-12-24 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

960.
101666C
Collatz Conjecture · Tutorial
Rating: — · first AC: 2019-12-24 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

961.
101666G
Going Dutch · Tutorial
Rating: — · first AC: 2019-12-24 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

962.
101666L
Lemonade Trade · Tutorial
Rating: — · first AC: 2019-12-24 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

963.
101666D
Detour · Tutorial
Rating: — · first AC: 2019-12-23 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

964.
101666I
Irrational Division · Tutorial
Rating: — · first AC: 2019-12-18 · last AC: 2019-12-23 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

965.
101666K
King of the Waves · Tutorial
Rating: — · first AC: 2019-12-18 · last AC: 2019-12-23 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

966.
101666F
Falling Apart · Tutorial
Rating: — · first AC: 2019-12-18 · last AC: 2019-12-23 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

967.
101666A
Amsterdam Distance · Tutorial
Rating: — · first AC: 2018-03-18 · last AC: 2019-12-23 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

968.
102007F
Financial Planning · Tutorial
Rating: — · first AC: 2019-12-15 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

969.
102007J
Janitor Troubles · Tutorial
Rating: — · first AC: 2019-12-15 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

970.
102007G
Game Night · Tutorial
Rating: — · first AC: 2019-12-15 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

971.
102007C
Cardboard Container · Tutorial
Rating: — · first AC: 2019-12-15 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

972.
102007B
Birthday Boy · Tutorial
Rating: — · first AC: 2019-12-15 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

973.
102007A
A Prize No One Can Win · Tutorial
Rating: — · first AC: 2019-12-15 · C++17 (GCC 7-32) (first AC) · Tags: —
Kognition's solution

974.
100641H
Time Warp · Tutorial
Rating: — · first AC: 2019-10-14 · last AC: 2019-10-14 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

975.
100641F
Path of Least Persistence · Tutorial
Rating: — · first AC: 2019-10-14 · last AC: 2019-10-14 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

976.
100641E
Inspectors · Tutorial
Rating: — · first AC: 2019-10-14 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

977.
100641D
Generalized Roman Numerals · Tutorial
Rating: — · first AC: 2019-10-14 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

978.
100641B
A Cure for the Common Code · Tutorial
Rating: — · first AC: 2019-10-14 · last AC: 2019-10-14 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

979.
100641C
Domiyahtzee! · Tutorial
Rating: — · first AC: 2019-10-14 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

980.
100641A
Continued Fractions · Tutorial
Rating: — · first AC: 2019-10-14 · last AC: 2019-10-14 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

981.
1164A
Three Friends (1 point) · Tutorial
Rating: — · first AC: 2019-05-05 · JSON (first AC) · Tags: math
Kognition's solution

982.
100825B
Delete This! · Tutorial
Rating: — · first AC: 2018-10-21 · GNU C++11 (first AC) · Tags: —
Kognition's solution

983.
100825G
Tray Bien · Tutorial
Rating: — · first AC: 2018-10-21 · GNU C++11 (first AC) · Tags: —
Kognition's solution

984.
100825F
Transportation Delegation · Tutorial
Rating: — · first AC: 2018-10-21 · GNU C++11 (first AC) · Tags: —
Kognition's solution

985.
100825I
What's on the Grille? · Tutorial
Rating: — · first AC: 2018-10-21 · GNU C++11 (first AC) · Tags: —
Kognition's solution

986.
100825E
Squawk Virus · Tutorial
Rating: — · first AC: 2018-10-21 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

987.
100825D
Rings · Tutorial
Rating: — · first AC: 2018-10-21 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

988.
101242L
Swap Space · Tutorial
Rating: — · first AC: 2018-04-18 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

989.
101196I
Waif Until Dark · Tutorial
Rating: — · first AC: 2018-04-18 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

990.
101754B
Big Data · Tutorial
Rating: — · first AC: 2018-03-20 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

991.
101745B
Alphabetic Subsequence · Tutorial
Rating: — · first AC: 2018-03-20 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

992.
101745A
Police Patrol · Tutorial
Rating: — · first AC: 2018-03-20 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

993.
101175K
Trash Removal · Tutorial
Rating: — · first AC: 2018-03-09 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

994.
101175A
To Add or to Multiply · Tutorial
Rating: — · first AC: 2018-03-09 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

995.
101175C
Ancient Messages · Tutorial
Rating: — · first AC: 2018-03-08 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

996.
101242A
Balanced Diet · Tutorial
Rating: — · first AC: 2018-03-06 · last AC: 2018-03-06 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

997.
101242C
Ceiling Function · Tutorial
Rating: — · first AC: 2018-02-23 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

998.
101205E
Infiltration · Tutorial
Rating: — · first AC: 2018-02-18 · last AC: 2018-02-18 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

999.
101205L
Takeover Wars · Tutorial
Rating: — · first AC: 2018-02-17 · last AC: 2018-02-17 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1000.
101205B
Curvy Little Bottles · Tutorial
Rating: — · first AC: 2018-02-15 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1001.
101471D
Money for Nothing · Tutorial
Rating: — · first AC: 2018-01-31 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1002.
101471C
Mission Improbable · Tutorial
Rating: — · first AC: 2018-01-30 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1003.
101512C
Citadel Construction · Tutorial
Rating: — · first AC: 2017-10-23 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1004.
101512F
Floating Formation · Tutorial
Rating: — · first AC: 2017-10-23 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1005.
101512I
Interesting Integers · Tutorial
Rating: — · first AC: 2017-10-23 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1006.
101512D
Dropping Directions · Tutorial
Rating: — · first AC: 2017-10-23 · GNU C++11 (first AC) · Tags: —
Kognition's solution

1007.
101512A
Avoiding the Apocalypse · Tutorial
Rating: — · first AC: 2017-10-23 · GNU C++11 (first AC) · Tags: —
Kognition's solution

1008.
101512E
Excellent Engineers · Tutorial
Rating: — · first AC: 2017-10-22 · GNU C++11 (first AC) · Tags: —
Kognition's solution

1009.
101512J
Jury Jeopardy · Tutorial
Rating: — · first AC: 2017-10-22 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1010.
101512B
Button Bashing · Tutorial
Rating: — · first AC: 2017-10-22 · GNU C++11 (first AC) · Tags: —
Kognition's solution

1011.
101512G
Growling Gears · Tutorial
Rating: — · first AC: 2017-10-22 · GNU C++11 (first AC) · Tags: —
Kognition's solution

1012.
101490J
Programming Tutors · Tutorial
Rating: — · first AC: 2017-10-15 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1013.
101490L
Sticky Situation · Tutorial
Rating: — · first AC: 2017-10-15 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1014.
101490D
Bridge Automation · Tutorial
Rating: — · first AC: 2017-10-15 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1015.
101490E
Charles in Charge · Tutorial
Rating: — · first AC: 2017-10-15 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1016.
101490C
Brexit · Tutorial
Rating: — · first AC: 2017-10-15 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1017.
101490B
Battle Simulation · Tutorial
Rating: — · first AC: 2017-10-15 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution

1018.
101490I
Older Brother · Tutorial
Rating: — · first AC: 2017-10-15 · C++14 (GCC 6-32) (first AC) · Tags: —
Kognition's solution