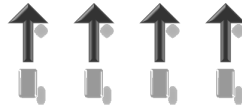




Competitive Programming



Methods to Solve (2000-present)

Use these filters to narrow down your next problem to solve:

OJ: , Topic: , Quality:

Online Judge shown: Both

Problem topics shown: New problems that are added after the release date of CP4 (19 July 2020)

Problem Quality: All

Number of problems shown (initially in CP4 order): 155

Information is up to date as of 10 February 2022

You can now sort these problems based on Distinct ACcepted Users (DACU) column.




Generally, problems with high DACU are the easier problems.

























Note that we only update DACU column manually (not a live data).

























Note: Column Point is only relevant for Kattis online judge.

























Show entries

























Search:


Both OJ	Problem Title	CP4
addtwonumbers	 addtwonumbers	1.4a, I/O + Sequences Only
digitswap	 digitswap	1.4a, I/O + Sequences Only
echoechoecho	 echoechoecho	1.4a, I/O + Sequences Only








Both OJ	Problem Title	CP4
gcvwr	 gcvwr	1.4a, I/O + Sequences Only
greetings2	 greetings2	1.4a, I/O + Sequences Only
jackolaternjuxtaposition	 jackolaternjuxtaposition	1.4a, I/O + Sequences Only
twosum	 twosum	1.4a, I/O + Sequences Only
jumbojavelin	 jumbojavelin	1.4b, Repetition Only
nsum	 nsum	1.4b, Repetition Only
ratingproblems	 ratingproblems	1.4b, Repetition Only
conteststruggles	 conteststruggles	1.4c, Selection Only
fyi	 fyi	1.4c, Selection Only
grading	 grading	1.4c, Selection Only
laptopsticker	 laptopsticker	1.4c, Selection Only
sorttwonumbers	 sorttwonumbers	1.4c, Selection Only
vajningsplikt	 vajningsplikt	1.4c, Selection Only
astrologicalsign	 astrologicalsign	1.4d, Multiple TC + Selection
brokencalculator	 brokencalculator	1.4e, Control Flow
cinema	 cinema	1.4e, Control Flow
cinema2	 cinema2	1.4e, Control Flow
espresso	 espresso	1.4e, Control Flow
fizzbuzz2	 fizzbuzz2	1.4e, Control Flow
fromatob	 fromatob	1.4e, Control Flow
mult	 mult	1.4e, Control Flow
oddecho	 oddecho	1.4e, Control Flow
skruop	 skruop	1.4e, Control Flow
smil	 smil	1.4e, Control Flow

Both OJ	Problem Title	CP4
speeding	 speeding	1.4e, Control Flow
spellingbee	 spellingbee	1.4e, Control Flow
tornbygge	 tornbygge	1.4e, Control Flow
arithmeticfunctions	 arithmeticfunctions	1.4f, Function
logicfunctions	 logicfunctions	1.4f, Function
sifferprodukt	 sifferprodukt	1.4f, Function
cutinline	 cutinline	1.4g, 1D Array, Easier
finalexam2	 finalexam2	1.4g, 1D Array, Easier
forcedchoice	 forcedchoice	1.4g, 1D Array, Easier
ofugsnuid	 ofugsnuid	1.4g, 1D Array, Easier
trainboarding	 trainboarding	1.4g, 1D Array, Easier
vaccineefficacy	 vaccineefficacy	1.4g, 1D Array, Easier
vectorfunctions	 vectorfunctions	1.4g, 1D Array, Easier
findingana	 findingana	1.4h, Easy
methodicmultiplication	 methodicmultiplication	1.4h, Easy
nop	 nop	1.4h, Easy
stopwatch	 stopwatch	1.4h, Easy
architecture	 architecture	1.4i, Still Easy
eyeofsauron	 eyeofsauron	1.4i, Still Easy
pyramids	 pyramids	1.4i, Still Easy
utf8	 utf8	1.4j, Medium
checkmateinone	 checkmateinone	1.6b, Game (Chess)
hexagonalrooks	 hexagonalrooks	1.6b, Game (Chess)
matchgame	 matchgame	1.6d, Game (Others), Harder

Both OJ	Problem Title	CP4
cprnummer	 cprnummer	1.6e, Real Life, Easier
dodecaphony	 dodecaphony	1.6f, Real Life, Medium
keylogger	 keylogger	1.6l, Cipher, Medium
mrcodeformatgrader	 mrcodeformatgrader	1.6n, Output Formatting, E
ultimatebinarywatch	 ultimatebinarywatch	1.6n, Output Formatting, E
bluetooth	 bluetooth	1.6o, Time Waster, Easier
fluortanten	 fluortanten	2.2a, 1D Array, Medium
rankproblem	 rankproblem	2.2a, 1D Array, Medium
trackingshares	 trackingshares	2.2a, 1D Array, Medium
crashingrobots	 crashingrobots	2.2b, 1D Array, Harder
magictrick	 magictrick	2.2e, Sorting, Easier
musicaltrees	 musicaltrees	2.2e, Sorting, Easier
nothanks	 nothanks	2.2e, Sorting, Easier
buka	 buka	2.2i, Big Integer
simplearithmetic	 simplearithmetic	2.2i, Big Integer
bracketsequence	 bracketsequence	2.2k, Stack-based Problems
lyklagangriti	 lyklagangriti	2.2l, List/Queue/Deque
pharmacy	 pharmacy	2.3a, Priority Queue
keyboardd	 keyboardd	2.3b, DAT, ASCII
<i>soundex</i>	 soundex	<i>2.3b, DAT, ASCII</i>
heimavinna	 heimavinna	2.3c, DAT, Others
simone	 simone	2.3c, DAT, Others
knotknowledge	 knotknowledge	2.3d, Hash Table (set)
shoppinglist	 shoppinglist	2.3d, Hash Table (set)

Both OJ	Problem Title	CP4
shoppinglisteasy	 shoppinglisteasy	2.3d, Hash Table (set)
upprodun	 upprodun	2.3d, Hash Table (set)
bokforing	 bokforing	2.3f, Hash Table (map), H
coursescheduling	 coursescheduling	2.3g, Balanced BST (set)
fodelsedagsmemorisering	 fodelsedagsmemorisering	2.3h, Balanced BST (map)
popularitycontest	 popularitycontest	2.4a, Graph Data Structures
bridgesandtunnels	 bridgesandtunnels	2.4b, Union-Find
skolavslutningen	 skolavslutningen	2.4b, Union-Find
gridmagic	 gridmagic	3.2a, Pre-calculate-able
theplank	 theplank	3.2a, Pre-calculate-able
codeguessing	 codeguessing	3.2b, Iterative (Two Loops)
majstor	 majstor	3.2b, Iterative (Two Loops)
missingnumber	 missingnumber	3.2b, Iterative (Two Loops)
smoothiestand	 smoothiestand	3.2b, Iterative (Two Loops)
cinemaseating	 cinemaseating	3.2c, Three+ Nested Loops, E
radir	 radir	3.2c, Three+ Nested Loops, E
triangledrama	 triangledrama	3.2c, Three+ Nested Loops, E
exammanipulation	 exammanipulation	3.2f, Iterative (Combination)
tabsandspaces	 tabsandspaces	3.2g, Try All Answers
damagedequation	 damagedequation	3.2h, Math Simulation, Easier
hailstone2	 hailstone2	3.2h, Math Simulation, Easier
powersof2easy	 powersof2easy	3.2h, Math Simulation, Easier
refrigerator	 refrigerator	3.2h, Math Simulation, Easier
bootstrappingnumber	 bootstrappingnumber	3.3b, Bisection and BSTA, E

Both OJ	Problem Title	CP4
distributingseats	 distributingseats	3.4a, Greedy (Classical)
intervalscheduling	 intervalscheduling	3.4a, Greedy (Classical)
hotsprings	 hotsprings	3.4b, Involving Sorting, E
toflur	 toflur	3.4b, Involving Sorting, E
universityzoning	 universityzoning	3.4b, Involving Sorting, E
knitpicking	 knitpicking	3.4e, Non Classical, Easier
fieldtrip	 fieldtrip	3.5a, Max 1D/2D Range Sum
nered	 nered	3.5a, Max 1D/2D Range Sum
curveknights	 curveknights	4.2d, Topological Sort
bryr	 bryr	4.4b, SSSP, BFS, Harder
escapewallmaria	 escapewallmaria	4.4b, SSSP, BFS, Harder
appealtotheaudience	 appealtotheaudience	4.6d, Tree
eulerian	 eulerian	4.6f, Eulerian Graph
lastminute	 lastminute	5.2a, Finding Formula, Easier
malfunctioningrobot	 malfunctioningrobot	5.2a, Finding Formula, Easier
pleasegofirst	 pleasegofirst	5.2b, Finding Formula, Harder
pyramidkonstruktion	 pyramidkonstruktion	5.2b, Finding Formula, Harder
arithmeticdecoding	 arithmeticdecoding	5.2c, Base Number Conversion
hammingellipses	 hammingellipses	5.2h, Polynomial
bestrational	 bestrational	5.2i, Fractions
locustlocus	 locustlocus	5.3f, GCD and/or LCM
jazzitup	 jazzitup	5.3k, Divisibility Test
shortcut	 shortcut	5.3k, Divisibility Test
deceptivedice	 deceptivedice	5.5a, Probability, Easier

Both OJ	Problem Title	CP4
expectedearnings	 expectedearnings	5.5a, Probability, Easier
alexandbarb	 alexandbarb	5.7a, Game Theory (Basic)
breakingbranches	 breakingbranches	5.7a, Game Theory (Basic)
overthehill1	 overthehill1	6.2a, Cipher, Harder
zyxab	 zyxab	6.2e, String Comparison
baza	 baza	6.5a, Suffix Trie/Tree/Array
jointjogjam	 jointjogjam	7.2a, Points
triarea	 triarea	7.2e, Triangles + Circles
armcoordination	 armcoordination	7.2f, Quadrilaterals
squarepeg	 squarepeg	7.2f, Quadrilaterals
sumdoku	 sumdoku	8.2a, Harder Backtracking
quantum	 quantum	8.2d, State-Space, Dijkstra
paths	 paths	8.3d, DP with Bitmask
bigboxes	 bigboxes	8.7a, BSTA+Other, Easier
canyoncrossing	 canyoncrossing	8.7a, BSTA+Other, Easier
caveexploration2	 caveexploration2	8.7c, Fast DS+Other, Easier
conquest	 conquest	8.7c, Fast DS+Other, Easier
simplecronspect	 simplecronspect	8.7c, Fast DS+Other, Easier
catcoat	 catcoat	8.7d, Fast DS+Other, Harder
highwaytomountfansipan	 highwaytomountfansipan	8.7h, Mathematics+Other
jobbyte	 jobbyte	8.7h, Mathematics+Other
youbethejudge	 youbethejudge	8.7h, Mathematics+Other
icpccamp	 icpccamp	8.7k, Three++ Components, E
arrayofdiscord	 arrayofdiscord	9.cons, Construction

Both OJ	Problem Title	CP4
knapsackpacking	 knapsackpacking	9.cons, Construction
reconstructingtapeart	 reconstructingtapeart	9.cons, Construction
accessdenied	 accessdenied	9.inte, Interactive Problem
julmust	 julmust	9.inte, Interactive Problem
ninety-nine	 ninety-nine	9.inte, Interactive Problem
inquiryi	 inquiryi	9.slid, Sliding Window
martianDNA	 martianDNA	9.slid, Sliding Window
treeshopping	 treeshopping	9.slid, Sliding Window

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