Competitive Programming

Methods to Solve (2000-present)

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

OJ: [Both ⌄] , Topic: [NUS CS1010 ⌄] , Quality: [Starred ⌄]

Online Judge shown: Both
Problem topics shown: NUS CS1010/E/S/CS1101S : (Basic) Programming Methodology level: I/O, Sequence, Selection, Repetition, Control Flow, Function, Easy Problems, 1D/2D Array, Simple Sorting, Binary Search, Basic Math, Basic String
Problem Quality: Starred
Number of problems shown (initially in CP4 order): 153
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 [All ⌄] entries   Search: [   ]

Both OJ	Problem Title	CP4
10071	Back to High School Physic...	1.4a, I/O + Sequences Only

Both OJ	Problem Title	CP4
11614	[Etruscan Warriors Never Pl...](#)	1.4a, I/O + Sequences Only
13025	[Back to the Past](#)	1.4a, I/O + Sequences Only
carrots	[carrots](#)	1.4a, I/O + Sequences Only
hello	[hello](#)	1.4a, I/O + Sequences Only
r2	[r2](#)	1.4a, I/O + Sequences Only
thelastproblem	[thelastproblem](#)	1.4a, I/O + Sequences Only
01124	[Celebrity jeopardy](#)	1.4b, Repetition Only
11044	[Searching for Nessy](#)	1.4b, Repetition Only
11547	[Automatic Answer](#)	1.4b, Repetition Only
different	[different](#)	1.4b, Repetition Only
qaly	[qaly](#)	1.4b, Repetition Only
tarifa	[tarifa](#)	1.4b, Repetition Only
timeloop	[timeloop](#)	1.4b, Repetition Only
isithalloween	[isithalloween](#)	1.4c, Selection Only
judgingmoose	[judgingmoose](#)	1.4c, Selection Only
moscowdream	[moscowdream](#)	1.4c, Selection Only
onechicken	[onechicken](#)	1.4c, Selection Only
provincesandgold	[provincesandgold](#)	1.4c, Selection Only
quadrant	[quadrant](#)	1.4c, Selection Only
temperature	[temperature](#)	1.4c, Selection Only
11172	[Relational Operator](#)	1.4d, Multiple TC + Selection
12250	[Language Detection](#)	1.4d, Multiple TC + Selection
12372	[Packing for Holiday](#)	1.4d, Multiple TC + Selection
eligibility	[eligibility](#)	1.4d, Multiple TC + Selection

Both OJ	Problem Title	CP4
helpaphd	🦊 helpaphd	1.4d, Multiple TC + Selection
leftbeehind	🦊 leftbeehind	1.4d, Multiple TC + Selection
oddities	🦊 oddities	1.4d, Multiple TC + Selection
11764	Jumping Mario	1.4e, Control Flow
11799	Horror Dash	1.4e, Control Flow
12279	Emoogle Balance	1.4e, Control Flow
fizzbuzz	🦊 fizzbuzz	1.4e, Control Flow
licensetolaunch	🦊 licensetolaunch	1.4e, Control Flow
oddgnome	🦊 oddgnome	1.4e, Control Flow
statistics	🦊 statistics	1.4e, Control Flow
10424	Love Calculator	1.4f, Function
11078	Open Credit System	1.4f, Function
11332	Summing Digits	1.4f, Function
artichoke	🦊 artichoke	1.4f, Function
digits	🦊 digits	1.4f, Function
filip	🦊 filip	1.4f, Function
mia	🦊 mia	1.4f, Function
01585	Score	1.4g, 1D Array, Easier
11679	Sub-prime	1.4g, 1D Array, Easier
12015	Google is Feeling Lucky	1.4g, 1D Array, Easier
acm	🦊 acm	1.4g, 1D Array, Easier
cetiri	🦊 cetiri	1.4g, 1D Array, Easier
lineup	🦊 lineup	1.4g, 1D Array, Easier
lostlineup	🦊 lostlineup	1.4g, 1D Array, Easier

Both OJ	Problem Title	CP4
12503	[Robot Instructions](#)	1.4h, Easy
12658	[Character Recognition?](#)	1.4h, Easy
12696	[Cabin Baggage](#)	1.4h, Easy
batterup	[batterup](#)	1.4h, Easy
hangingout	[hangingout](#)	1.4h, Easy
hissingmicrophone	[hissingmicrophone](#)	1.4h, Easy
pokerhand	[pokerhand](#)	1.4h, Easy
11559	[Event Planning](#)	1.4i, Still Easy
11683	[Laser Sculpture](#)	1.4i, Still Easy
11786	[Global Raining at Bididibu...](#)	1.4i, Still Easy
bossbattle	[bossbattle](#)	1.4i, Still Easy
bubbletea	[bubbletea](#)	1.4i, Still Easy
peasoup	[peasoup](#)	1.4i, Still Easy
vote	[vote](#)	1.4i, Still Easy
11507	[Bender B. Rodríguez Proble...](#)	1.4j, Medium
12157	[Tariff Plan](#)	1.4j, Medium
12643	[Tennis Rounds](#)	1.4j, Medium
basicprogramming1	[basicprogramming1](#)	1.4j, Medium
battlesimulation	[battlesimulation](#)	1.4j, Medium
bitsequalizer	[bitsequalizer](#)	1.4j, Medium
fastfood	[fastfood](#)	1.4j, Medium
00637	[Booklet Printing](#)	1.6e, Real Life, Easier
01586	[Molar mass](#)	1.6e, Real Life, Easier
13151	[Rational Grading](#)	1.6e, Real Life, Easier

Both OJ	Problem Title	CP4
chopin	chopin	1.6e, Real Life, Easier
compass	compass	1.6e, Real Life, Easier
trainpassengers	trainpassengers	1.6e, Real Life, Easier
wertyu	wertyu	1.6e, Real Life, Easier
00579	Clock Hands	1.6h, Time, Easier
12136	Schedule of a Married Man	1.6h, Time, Easier
12148	Electricity	1.6h, Time, Easier
friday	friday	1.6h, Time, Easier
justaminute	justaminute	1.6h, Time, Easier
marswindow	marswindow	1.6h, Time, Easier
savingdaylight	savingdaylight	1.6h, Time, Easier
10851	2D Hieroglyphs decoder	1.6k, Cipher, Easier
11278	One-Handed Typist	1.6k, Cipher, Easier
12896	Mobile SMS	1.6k, Cipher, Easier
13145	Wuymul Wixcha	1.6k, Cipher, Easier
conundrum	conundrum	1.6k, Cipher, Easier
encodedmessage	encodedmessage	1.6k, Cipher, Easier
t9spelling	t9spelling	1.6k, Cipher, Easier
00397	Equation Elation	1.6m, Input Parsing (Iter)
01200	A DP Problem	1.6m, Input Parsing (Iter)
10906	Strange Integration	1.6m, Input Parsing (Iter)
11878	Homework Checker	1.6m, Input Parsing (Iter)
autori	autori	1.6m, Input Parsing (Iter)
pervasiveheartmonitor	pervasiveheartmonitor	1.6m, Input Parsing (Iter)

Both OJ	Problem Title	CP4
timebomb	timebomb	1.6m, Input Parsing (Iter)
00488	Triangle Wave	1.6n, Output Formatting, E
01605	Building for UN	1.6n, Output Formatting, E
10500	Robot maps	1.6n, Output Formatting, E
12364	In Braille	1.6n, Output Formatting, E
display	display	1.6n, Output Formatting, E
musicalnotation	musicalnotation	1.6n, Output Formatting, E
skener	skener	1.6n, Output Formatting, E
11638	Temperature Monitoring	1.6o, Time Waster, Easier
12085	Mobile Casanova	1.6o, Time Waster, Easier
12608	Garbage Collection	1.6o, Time Waster, Easier
asciiaddition	asciiaddition	1.6o, Time Waster, Easier
glitchbot	glitchbot	1.6o, Time Waster, Easier
pachydermpeanutpacking	pachydermpeanutpacking	1.6o, Time Waster, Easier
printingcosts	printingcosts	1.6o, Time Waster, Easier
12150	Pole Position	2.2a, 1D Array, Medium
12356	Army Buddies	2.2a, 1D Array, Medium
13181	Sleeping in hostels	2.2a, 1D Array, Medium
baloni	baloni	2.2a, 1D Array, Medium
downtime	downtime	2.2a, 1D Array, Medium
greedilyincreasing	greedilyincreasing	2.2a, 1D Array, Medium
jollyjumpers	jollyjumpers	2.2a, 1D Array, Medium
11581	Grid Successors	2.2c, 2D Array, Easier
12187	Brothers	2.2c, 2D Array, Easier

Both OJ	Problem Title	CP4
12667	Last Blood	2.2c, 2D Array, Easier
epigdanceoff	epigdanceoff	2.2c, 2D Array, Easier
flowshop	flowshop	2.2c, 2D Array, Easier
imageprocessing	imageprocessing	2.2c, 2D Array, Easier
nineknights	nineknights	2.2c, 2D Array, Easier
10107	What is the Median?	2.2e, Sorting, Easier
12541	Birthdates	2.2e, Sorting, Easier
12709	Falling Ants	2.2e, Sorting, Easier
basicprogramming2	basicprogramming2	2.2e, Sorting, Easier
height	height	2.2e, Sorting, Easier
mjehuric	mjehuric	2.2e, Sorting, Easier
sidewayssorting	sidewayssorting	2.2e, Sorting, Easier
00592	Island of Logic	3.2b, Iterative (Two Loops)
01588	Kickdown	3.2b, Iterative (Two Loops)
12488	Start Grid	3.2b, Iterative (Two Loops)
blackfriday	blackfriday	3.2b, Iterative (Two Loops)
closestsums	closestsums	3.2b, Iterative (Two Loops)
golombrulers	golombrulers	3.2b, Iterative (Two Loops)
11057	Exact Sum	3.3a, Binary Search
11621	Small Factors	3.3a, Binary Search
12192	Grapevine	3.3a, Binary Search
12965	Angry Bids	3.3a, Binary Search
firefly	firefly	3.3a, Binary Search
outofsorts	outofsorts	3.3a, Binary Search

Both OJ	Problem Title	CP4
roompainting	🦊 *roompainting*	*3.3a, Binary Search*
10751	*Chessboard*	*5.2a, Finding Formula, Easier*
12004	*Bubble Sort*	*5.2a, Finding Formula, Easier*
12918	*Lucky Thief*	*5.2a, Finding Formula, Easier*
averageshard	🦊 *averageshard*	*5.2a, Finding Formula, Easier*
bishops	🦊 *bishops*	*5.2a, Finding Formula, Easier*
crne	🦊 *crne*	*5.2a, Finding Formula, Easier*
twostones	🦊 *twostones*	*5.2a, Finding Formula, Easier*

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