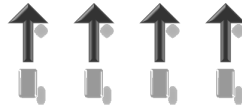




Competitive Programming



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: 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: All

Number of problems shown (initially in CP4 order): 497

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

























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
11805	 Bafana Bafana	1.4a, I/O + Sequences Only
12478	 Hardest Problem Ever (Easy...	1.4a, I/O + Sequences Only
13025	 Back to the Past	1.4a, I/O + Sequences Only
addtwonumbers	 addtwonumbers	1.4a, I/O + Sequences Only
carrots	 carrots	1.4a, I/O + Sequences Only
digitswap	 digitswap	1.4a, I/O + Sequences Only
echoechoecho	 echoechoecho	1.4a, I/O + Sequences Only
faktor	 faktor	1.4a, I/O + Sequences Only
gcwvr	 gcwvr	1.4a, I/O + Sequences Only
greetings2	 greetings2	1.4a, I/O + Sequences Only
hello	 hello	1.4a, I/O + Sequences Only
jackolaternjuxtaposition	 jackolaternjuxtaposition	1.4a, I/O + Sequences Only
planina	 planina	1.4a, I/O + Sequences Only
r2	 r2	1.4a, I/O + Sequences Only
romans	 romans	1.4a, I/O + Sequences Only
thelastproblem	 thelastproblem	1.4a, I/O + Sequences Only
twosum	 twosum	1.4a, I/O + Sequences Only
01124	 Celebrity jeopardy	1.4b, Repetition Only
10055	 Hashmat the Brave Warrior	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
jumbojavelin	 jumbojavelin	1.4b, Repetition Only

























Both OJ	Problem Title	CP4
nsum	 nsum	1.4b, Repetition Only
qaly	 qaly	1.4b, Repetition Only
ratingproblems	 ratingproblems	1.4b, Repetition Only
tarifa	 tarifa	1.4b, Repetition Only
timeloop	 timeloop	1.4b, Repetition Only
conteststruggles	 conteststruggles	1.4c, Selection Only
fyi	 fyi	1.4c, Selection Only
grading	 grading	1.4c, Selection Only
isithalloween	 isithalloween	1.4c, Selection Only
judgingmoose	 judgingmoose	1.4c, Selection Only
laptopsticker	 laptopsticker	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
sorttwonumbers	 sorttwonumbers	1.4c, Selection Only
temperature	 temperature	1.4c, Selection Only
vajningsplikt	 vajningsplikt	1.4c, Selection Only
00621	 Secret Research	1.4d, Multiple TC + Selection
11172	 Relational Operator	1.4d, Multiple TC + Selection
11723	 Numbering Roads	1.4d, Multiple TC + Selection
11727	 Cost Cutting	1.4d, Multiple TC + Selection
12250	 Language Detection	1.4d, Multiple TC + Selection
12289	 One-Two-Three	1.4d, Multiple TC + Selection

























Both OJ	Problem Title	CP4
12372	 Packing for Holiday	1.4d, Multiple TC + Selection
12468	 Zapping	1.4d, Multiple TC + Selection
12577	 Hajj-e-Akbar	1.4d, Multiple TC + Selection
12646	 Zero or One	1.4d, Multiple TC + Selection
12917	 Prop hunt!	1.4d, Multiple TC + Selection
astrologicalsign	 astrologicalsign	1.4d, Multiple TC + Selection
eligibility	 eligibility	1.4d, Multiple TC + Selection
helpaphd	 helpaphd	1.4d, Multiple TC + Selection
leftbeehind	 leftbeehind	1.4d, Multiple TC + Selection
nastyhacks	 nastyhacks	1.4d, Multiple TC + Selection
numberfun	 numberfun	1.4d, Multiple TC + Selection
oddities	 oddities	1.4d, Multiple TC + Selection
00272	 TEX Quotes	1.4e, Control Flow
10300	 Ecological Premium	1.4e, Control Flow
11364	 Parking	1.4e, Control Flow
11498	 Division of Nlogonia	1.4e, Control Flow
11764	 Jumping Mario	1.4e, Control Flow
11799	 Horror Dash	1.4e, Control Flow
12279	 Emoogle Balance	1.4e, Control Flow
12403	 Save Setu	1.4e, Control Flow
13012	 Identifying tea	1.4e, Control Flow
13034	 Solve Everything :-)	1.4e, Control Flow
13130	 Cacho	1.4e, Control Flow
babybites	 babybites	1.4e, Control Flow

























Both OJ	Problem Title	CP4
basketballoneonone	 basketballoneonone	1.4e, Control Flow
brokencalculator	 brokencalculator	1.4e, Control Flow
cinema	 cinema	1.4e, Control Flow
cinema2	 cinema2	1.4e, Control Flow
cold	 cold	1.4e, Control Flow
earlywinter	 earlywinter	1.4e, Control Flow
espresso	 espresso	1.4e, Control Flow
<i>fizzbuzz</i>	 fizzbuzz	<i>1.4e, Control Flow</i>
fizzbuzz2	 fizzbuzz2	1.4e, Control Flow
fromatob	 fromatob	1.4e, Control Flow
jobexpenses	 jobexpenses	1.4e, Control Flow
<i>licensetolaunch</i>	 licensetolaunch	<i>1.4e, Control Flow</i>
mult	 mult	1.4e, Control Flow
oddecho	 oddecho	1.4e, Control Flow
<i>oddgnome</i>	 oddgnome	<i>1.4e, Control Flow</i>
skruop	 skruop	1.4e, Control Flow
smil	 smil	1.4e, Control Flow
speeding	 speeding	1.4e, Control Flow
speedlimit	 speedlimit	1.4e, Control Flow
spellingbee	 spellingbee	1.4e, Control Flow
stararrangements	 stararrangements	1.4e, Control Flow
<i>statistics</i>	 statistics	<i>1.4e, Control Flow</i>
thanos	 thanos	1.4e, Control Flow
tornbygge	 tornbygge	1.4e, Control Flow

























Both OJ	Problem Title	CP4
zanzibar	 zanzibar	1.4e, Control Flow
01709	 Amalgamated Artichokes	1.4f, Function
10424	 Love Calculator	1.4f, Function
10550	 Combination Lock	1.4f, Function
11078	 Open Credit System	1.4f, Function
11332	 Summing Digits	1.4f, Function
11687	 Digits	1.4f, Function
abc	 abc	1.4f, Function
arithmeticfunctions	 arithmeticfunctions	1.4f, Function
artichoke	 artichoke	1.4f, Function
combinationlock	 combinationlock	1.4f, Function
digits	 digits	1.4f, Function
filip	 filip	1.4f, Function
logicfunctions	 logicfunctions	1.4f, Function
mia	 mia	1.4f, Function
sifferprodukt	 sifferprodukt	1.4f, Function
treasurehunt	 treasurehunt	1.4f, Function
01585	 Score	1.4g, 1D Array, Easier
11679	 Sub-prime	1.4g, 1D Array, Easier
11942	 Lumberjack Sequencing	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
cutinline	 cutinline	1.4g, 1D Array, Easier























Both OJ	Problem Title	CP4
finalexam2	 finalexam2	1.4g, 1D Array, Easier
forcedchoice	 forcedchoice	1.4g, 1D Array, Easier
hothike	 hothike	1.4g, 1D Array, Easier
<i>lineup</i>	 lineup	<i>1.4g, 1D Array, Easier</i>
<i>lostlineup</i>	 lostlineup	<i>1.4g, 1D Array, Easier</i>
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
01641	 ASCII Area	1.4h, Easy
10963	 The Swallowing Ground	1.4h, Easy
<i>12503</i>	 Robot Instructions	<i>1.4h, Easy</i>
12554	 A Special "Happy Birthday"...	1.4h, Easy
<i>12658</i>	 Character Recognition?	<i>1.4h, Easy</i>
<i>12696</i>	 Cabin Baggage	<i>1.4h, Easy</i>
12750	 Keep Rafa at Chelsea	1.4h, Easy
12798	 Handball	1.4h, Easy
armystrengtheasy	 armystrengtheasy	1.4h, Easy
armystrengthhard	 armystrengthhard	1.4h, Easy
<i>batterup</i>	 batterup	<i>1.4h, Easy</i>
brokenswords	 brokenswords	1.4h, Easy
drinkingsong	 drinkingsong	1.4h, Easy
findingana	 findingana	1.4h, Easy
<i>hangingout</i>	 hangingout	<i>1.4h, Easy</i>

























Both OJ	Problem Title	CP4
<i>hissingmicrophone</i>	 <u>hissingmicrophone</u>	1.4h, Easy
methodicmultiplication	 <u>methodicmultiplication</u>	1.4h, Easy
mosquito	 <u>mosquito</u>	1.4h, Easy
nop	 <u>nop</u>	1.4h, Easy
<i>pokerhand</i>	 <u>pokerhand</u>	1.4h, Easy
ptice	 <u>ptice</u>	1.4h, Easy
sevenwonders	 <u>sevenwonders</u>	1.4h, Easy
stopwatch	 <u>stopwatch</u>	1.4h, Easy
volim	 <u>volim</u>	1.4h, Easy
yinyangstones	 <u>yinyangstones</u>	1.4h, Easy
10114	 <u>Loansome Car Buyer</u>	1.4i, Still Easy
10141	 <u>Request for Proposal</u>	1.4i, Still Easy
10324	 <u>Zeros and Ones</u>	1.4i, Still Easy
10919	 <u>Prerequisites?</u>	1.4i, Still Easy
11559	 <u>Event Planning</u>	1.4i, Still Easy
11586	 <u>Train Tracks</u>	1.4i, Still Easy
11661	 <u>Burger Time?</u>	1.4i, Still Easy
11683	 <u>Laser Sculpture</u>	1.4i, Still Easy
11786	 <u>Global Raining at Bididibu...</u>	1.4i, Still Easy
12614	 <u>Earn For Future</u>	1.4i, Still Easy
13007	 <u>D as in Daedalus</u>	1.4i, Still Easy
architecture	 <u>architecture</u>	1.4i, Still Easy
<i>bossbattle</i>	 <u>bossbattle</u>	1.4i, Still Easy
boundingrobots	 <u>boundingrobots</u>	1.4i, Still Easy

























Both OJ	Problem Title	CP4
<i>bubbletea</i>	 bubbletea	<i>1.4i, Still Easy</i>
climbingstairs	 climbingstairs	1.4i, Still Easy
deathtaxes	 deathtaxes	1.4i, Still Easy
driversdilemma	 driversdilemma	1.4i, Still Easy
eventplanning	 eventplanning	1.4i, Still Easy
exactlyelectrical	 exactlyelectrical	1.4i, Still Easy
<i>eyeofsauron</i>	 eyeofsauron	<i>1.4i, Still Easy</i>
missingnumbers	 missingnumbers	1.4i, Still Easy
<i>peasoup</i>	 peasoup	<i>1.4i, Still Easy</i>
prerequisites	 prerequisites	1.4i, Still Easy
<i>pyramids</i>	 pyramids	<i>1.4i, Still Easy</i>
sok	 sok	1.4i, Still Easy
<i>vote</i>	 vote	<i>1.4i, Still Easy</i>
00119	 Greedy Gift Givers	1.4j, Medium
00573	 The Snail	1.4j, Medium
00661	 Blowing Fuses	1.4j, Medium
01237	 Expert Enough?	1.4j, Medium
<i>11507</i>	 Bender B. Rodríguez Proble...	<i>1.4j, Medium</i>
11956	 Brainfuck	1.4j, Medium
<i>12157</i>	 Tariff Plan	<i>1.4j, Medium</i>
12545	 Bits Equalizer	1.4j, Medium
<i>12643</i>	 Tennis Rounds	<i>1.4j, Medium</i>
anotherbrick	 anotherbrick	1.4j, Medium
<i>basicprogramming1</i>	 basicprogramming1	<i>1.4j, Medium</i>

























Both OJ	Problem Title	CP4
<i>battlesimulation</i>	 <u>battlesimulation</u>	<i>1.4j, Medium</i>
beekeeper	 <u>beekeeper</u>	1.4j, Medium
<i>bitsequalizer</i>	 <u>bitsequalizer</u>	<i>1.4j, Medium</i>
bottledup	 <u>bottledup</u>	1.4j, Medium
carousel	 <u>carousel</u>	1.4j, Medium
climbingworm	 <u>climbingworm</u>	1.4j, Medium
codecleanups	 <u>codecleanups</u>	1.4j, Medium
cowcrane	 <u>cowcrane</u>	1.4j, Medium
<i>fastfood</i>	 <u>fastfood</u>	<i>1.4j, Medium</i>
howl	 <u>howl</u>	1.4j, Medium
shatteredcake	 <u>shatteredcake</u>	1.4j, Medium
utf8	 <u>utf8</u>	1.4j, Medium
00362	 <u>18,000 Seconds Remaining</u>	1.6e, Real Life, Easier
00637	 <u>Booklet Printing</u>	<i>1.6e, Real Life, Easier</i>
01586	 <u>Molar mass</u>	<i>1.6e, Real Life, Easier</i>
10082	 <u>WERTYU</u>	1.6e, Real Life, Easier
10554	 <u>Calories from Fat</u>	1.6e, Real Life, Easier
11530	 <u>SMS Typing</u>	1.6e, Real Life, Easier
11744	 <u>Parallel Carry Adder</u>	1.6e, Real Life, Easier
11945	 <u>Financial Management</u>	1.6e, Real Life, Easier
11984	 <u>A Change in Thermal Unit</u>	1.6e, Real Life, Easier
12195	 <u>Jingle Composing</u>	1.6e, Real Life, Easier
12808	 <u>Banning Balconing</u>	1.6e, Real Life, Easier
13151	 <u>Rational Grading</u>	<i>1.6e, Real Life, Easier</i>

























Both OJ	Problem Title	CP4
calories	 calories	1.6e, Real Life, Easier
chopin	 chopin	1.6e, Real Life, Easier
compass	 compass	1.6e, Real Life, Easier
cprnummer	 cprnummer	1.6e, Real Life, Easier
fbiuniversal	 fbiuniversal	1.6e, Real Life, Easier
heartrate	 heartrate	1.6e, Real Life, Easier
measurement	 measurement	1.6e, Real Life, Easier
parking	 parking	1.6e, Real Life, Easier
trainpassengers	 trainpassengers	1.6e, Real Life, Easier
transitwoes	 transitwoes	1.6e, Real Life, Easier
wertyu	 wertyu	1.6e, Real Life, Easier
00579	 Clock Hands	1.6h, Time, Easier
00893	 Y3K Problem	1.6h, Time, Easier
10683	 The decadary watch	1.6h, Time, Easier
11219	 How old are you?	1.6h, Time, Easier
11356	 Dates	1.6h, Time, Easier
11650	 Mirror Clock	1.6h, Time, Easier
11677	 Alarm Clock	1.6h, Time, Easier
11958	 Coming Home	1.6h, Time, Easier
12019	 Doom's Day Algorithm	1.6h, Time, Easier
12136	 Schedule of a Married Man	1.6h, Time, Easier
12148	 Electricity	1.6h, Time, Easier
12531	 Hours and Minutes	1.6h, Time, Easier
13275	 Leap Birthdays	1.6h, Time, Easier

























Both OJ	Problem Title	CP4
datum	 datum	1.6h, Time, Easier
friday	 friday	1.6h, Time, Easier
justamminute	 justamminute	1.6h, Time, Easier
marswindow	 marswindow	1.6h, Time, Easier
savingdaylight	 savingdaylight	1.6h, Time, Easier
spavanac	 spavanac	1.6h, Time, Easier
00444	 Encoder and Decoder	1.6k, Cipher, Easier
00458	 The Decoder	1.6k, Cipher, Easier
00641	 Do the Untwist	1.6k, Cipher, Easier
00795	 Sandorf's Cipher	1.6k, Cipher, Easier
00865	 Substitution Cypher	1.6k, Cipher, Easier
01339	 Ancient Cipher	1.6k, Cipher, Easier
10019	 Funny Encryption Method	1.6k, Cipher, Easier
10222	 Decode the Mad man	1.6k, Cipher, Easier
10851	 2D Hieroglyphs decoder	1.6k, Cipher, Easier
10878	 Decode the tape	1.6k, Cipher, Easier
10896	 Known Plaintext Attack	1.6k, Cipher, Easier
10921	 Find the Telephone	1.6k, Cipher, Easier
11220	 Decoding the message.	1.6k, Cipher, Easier
11278	 One-Handed Typist	1.6k, Cipher, Easier
11541	 Decoding	1.6k, Cipher, Easier
11946	 Code Number	1.6k, Cipher, Easier
12896	Mobile SMS	1.6k, Cipher, Easier
13107	Royale With Cheese	1.6k, Cipher, Easier

























Both OJ	Problem Title	CP4
13145	 Wuymul Wixcha	1.6k, Cipher, Easier
conundrum	 conundrum	1.6k, Cipher, Easier
drmmessages	 drmmessages	1.6k, Cipher, Easier
drunkvigenere	 drunkvigenere	1.6k, Cipher, Easier
encodedmessage	 encodedmessage	1.6k, Cipher, Easier
kemija08	 kemija08	1.6k, Cipher, Easier
keytocrypto	 keytocrypto	1.6k, Cipher, Easier
reverserot	 reverserot	1.6k, Cipher, Easier
runlengthencodingrun	 runlengthencodingrun	1.6k, Cipher, Easier
t9spelling	 t9spelling	1.6k, Cipher, Easier
00271	 Simply Syntax	1.6m, Input Parsing (Iter)
00327	 Evaluating Simple C Expres...	1.6m, Input Parsing (Iter)
00391	 Mark-up	1.6m, Input Parsing (Iter)
00397	 Equation Elation	1.6m, Input Parsing (Iter)
00442	 Matrix Chain Multiplicatio...	1.6m, Input Parsing (Iter)
00486	 English-Number Translator	1.6m, Input Parsing (Iter)
00537	 Artificial Intelligence?	1.6m, Input Parsing (Iter)
01200	 A DP Problem	1.6m, Input Parsing (Iter)
10252	 Common Permutation	1.6m, Input Parsing (Iter)
10906	 Strange Integration	1.6m, Input Parsing (Iter)
11148	 Moliu Fractions	1.6m, Input Parsing (Iter)
11878	 Homework Checker	1.6m, Input Parsing (Iter)
12543	 Longest Word	1.6m, Input Parsing (Iter)
12820	 Cool Word	1.6m, Input Parsing (Iter)

























Both OJ	Problem Title	CP4
13047	 Arrows	1.6m, Input Parsing (Iter)
13093	 Acronyms	1.6m, Input Parsing (Iter)
<i>autori</i>	 autori	<i>1.6m, Input Parsing (Iter)</i>
genealogical	 genealogical	1.6m, Input Parsing (Iter)
<i>pervasiveheartmonitor</i>	 pervasiveheartmonitor	<i>1.6m, Input Parsing (Iter)</i>
<i>timebomb</i>	 timebomb	<i>1.6m, Input Parsing (Iter)</i>
tripletexting	 tripletexting	1.6m, Input Parsing (Iter)
00110	 Meta-Loopless Sorts	1.6n, Output Formatting, E
00320	 Border	1.6n, Output Formatting, E
00445	 Marvelous Mazes	1.6n, Output Formatting, E
<i>00488</i>	 Triangle Wave	<i>1.6n, Output Formatting, E</i>
00490	 Rotating Sentences	1.6n, Output Formatting, E
<i>01605</i>	 Building for UN	<i>1.6n, Output Formatting, E</i>
10146	 Dictionary	1.6n, Output Formatting, E
<i>10500</i>	 Robot maps	<i>1.6n, Output Formatting, E</i>
10894	 Save Hridoy	1.6n, Output Formatting, E
11074	 Draw Grid	1.6n, Output Formatting, E
11482	 Building a Triangular Muse...	1.6n, Output Formatting, E
11965	 Extra Spaces	1.6n, Output Formatting, E
<i>12364</i>	 In Braille	<i>1.6n, Output Formatting, E</i>
13091	 No Ball	1.6n, Output Formatting, E
<i>display</i>	 display	<i>1.6n, Output Formatting, E</i>
krizaljka	 krizaljka	1.6n, Output Formatting, E
mirror	 mirror	1.6n, Output Formatting, E

























Both OJ	Problem Title	CP4
mrcodeformatgrader	 mrcodeformatgrader	1.6n, Output Formatting, E
multiplication	 multiplication	1.6n, Output Formatting, E
<i>musicalnotation</i>	 musicalnotation	1.6n, Output Formatting, E
okvir	 okvir	1.6n, Output Formatting, E
okviri	 okviri	1.6n, Output Formatting, E
<i>skener</i>	 skener	1.6n, Output Formatting, E
ultimatebinarywatch	 ultimatebinarywatch	1.6n, Output Formatting, E
00144	 Student Grants	1.6o, Time Waster, Easier
00214	 Code Generation	1.6o, Time Waster, Easier
00335	 Processing MX Records	1.6o, Time Waster, Easier
00349	 Transferable Voting (II)	1.6o, Time Waster, Easier
00556	 Amazing	1.6o, Time Waster, Easier
01721	 Window Manager	1.6o, Time Waster, Easier
10028	 Demerit Points	1.6o, Time Waster, Easier
10033	 Interpreter	1.6o, Time Waster, Easier
10134	 AutoFish	1.6o, Time Waster, Easier
10281	 Average Speed	1.6o, Time Waster, Easier
10850	 The Gossipy Gossipers Goss...	1.6o, Time Waster, Easier
<i>11638</i>	 Temperature Monitoring	1.6o, Time Waster, Easier
12060	 All Integer Average	1.6o, Time Waster, Easier
<i>12085</i>	 Mobile Casanova	1.6o, Time Waster, Easier
<i>12608</i>	 Garbage Collection	1.6o, Time Waster, Easier
12700	 Banglawash	1.6o, Time Waster, Easier
<i>asciiaddition</i>	 asciiaddition	1.6o, Time Waster, Easier
























Both OJ	Problem Title	CP4
averagespeed	 averagespeed	1.6o, Time Waster, Easier
bluetooth	 bluetooth	1.6o, Time Waster, Easier
gerrymandering	 gerrymandering	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
00414	 Machined Surfaces	2.2a, 1D Array, Medium
00482	 Permutation Arrays	2.2a, 1D Array, Medium
00591	 Box of Bricks	2.2a, 1D Array, Medium
10038	 Jolly Jumpers	2.2a, 1D Array, Medium
10050	 Hartals	2.2a, 1D Array, Medium
11192	 Group Reverse	2.2a, 1D Array, Medium
11496	 Musical Loop	2.2a, 1D Array, Medium
11608	 No Problem	2.2a, 1D Array, Medium
11875	 Brick Game	2.2a, 1D Array, Medium
12150	 Pole Position	2.2a, 1D Array, Medium
12356	 Army Buddies	2.2a, 1D Array, Medium
12854	 Automated Checking Machine	2.2a, 1D Array, Medium
12959	 Strategy Game	2.2a, 1D Array, Medium
12996	 Ultimate Mango Challenge	2.2a, 1D Array, Medium
13026	 Search the Khoj	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

















Both OJ	Problem Title	CP4
erase	 erase	2.2a, 1D Array, Medium
fluortanten	 fluortanten	2.2a, 1D Array, Medium
greedilyincreasing	 greedilyincreasing	2.2a, 1D Array, Medium
jollyjumpers	 jollyjumpers	2.2a, 1D Array, Medium
rankproblem	 rankproblem	2.2a, 1D Array, Medium
trackingshares	 trackingshares	2.2a, 1D Array, Medium
00541	 Error Correction	2.2c, 2D Array, Easier
00585	 Triangles	2.2c, 2D Array, Easier
10703	 Free spots	2.2c, 2D Array, Easier
10920	 Spiral Tap	2.2c, 2D Array, Easier
11040	 Add bricks in the wall	2.2c, 2D Array, Easier
11349	 Symmetric Matrix	2.2c, 2D Array, Easier
11581	 Grid Successors	2.2c, 2D Array, Easier
11835	 Formula 1	2.2c, 2D Array, Easier
12187	 Brothers	2.2c, 2D Array, Easier
12667	 Last Blood	2.2c, 2D Array, Easier
12981	 Secret Master Plan	2.2c, 2D Array, Easier
compromise	 compromise	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
thisaintyourgrandpascheckerboard	 thisaintyourgrandpaschecke...	2.2c, 2D Array, Easier
00400	 Unix ls	2.2e, Sorting, Easier

Both OJ	Problem Title	CP4
00855	 Lunch in Grid City	2.2e, Sorting, Easier
10107	 What is the Median?	2.2e, Sorting, Easier
10880	 Colin and Ryan	2.2e, Sorting, Easier
10905	 Children's Game	2.2e, Sorting, Easier
11039	 Building designing	2.2e, Sorting, Easier
11588	 Image Coding	2.2e, Sorting, Easier
11777	 Automate the Grades	2.2e, Sorting, Easier
11824	 A Minimum Land Price	2.2e, Sorting, Easier
12071	 Understanding Recursion	2.2e, Sorting, Easier
12541	 Birthdates	2.2e, Sorting, Easier
12709	 Falling Ants	2.2e, Sorting, Easier
12861	 Help cupid	2.2e, Sorting, Easier
13113	 Presidential Election	2.2e, Sorting, Easier
basicprogramming2	 basicprogramming2	2.2e, Sorting, Easier
closingtheloop	 closingtheloop	2.2e, Sorting, Easier
cups	 cups	2.2e, Sorting, Easier
height	 height	2.2e, Sorting, Easier
judging	 judging	2.2e, Sorting, Easier
magictrick	 magictrick	2.2e, Sorting, Easier
mjehuric	 mjehuric	2.2e, Sorting, Easier
musicaltrees	 musicaltrees	2.2e, Sorting, Easier
nothanks	 nothanks	2.2e, Sorting, Easier
sidewaysorting	 sidewaysorting	2.2e, Sorting, Easier
00105	 The Skyline Problem	3.2b, Iterative (Two Loops)

Both OJ	Problem Title	CP4
00592	 Island of Logic	3.2b, Iterative (Two Loops)
00617	 Nonstop Travel	3.2b, Iterative (Two Loops)
01260	 Sales	3.2b, Iterative (Two Loops)
01588	 Kickdown	3.2b, Iterative (Two Loops)
10041	 Vito's Family	3.2b, Iterative (Two Loops)
10487	 Closest Sums	3.2b, Iterative (Two Loops)
10570	 Meeting with Aliens	3.2b, Iterative (Two Loops)
10670	 Work Reduction	3.2b, Iterative (Two Loops)
10730	 Antiarithmetic?	3.2b, Iterative (Two Loops)
11242	 Tour de France	3.2b, Iterative (Two Loops)
12205	 Happy Telephones	3.2b, Iterative (Two Loops)
12488	 Start Grid	3.2b, Iterative (Two Loops)
12583	 Memory Overflow	3.2b, Iterative (Two Loops)
13018	 Dice Cup	3.2b, Iterative (Two Loops)
8queens	 8queens	3.2b, Iterative (Two Loops)
antiarithmetic	 antiarithmetic	3.2b, Iterative (Two Loops)
bestrelayteam	 bestrelayteam	3.2b, Iterative (Two Loops)
bikegears	 bikegears	3.2b, Iterative (Two Loops)
blackfriday	 blackfriday	3.2b, Iterative (Two Loops)
closestsums	 closestsums	3.2b, Iterative (Two Loops)
codeguessing	 codeguessing	3.2b, Iterative (Two Loops)
golombrulers	 golombrulers	3.2b, Iterative (Two Loops)
kafkaesque	 kafkaesque	3.2b, Iterative (Two Loops)
liga	 liga	3.2b, Iterative (Two Loops)

Both OJ	Problem Title	CP4
majstor	 majstor	3.2b, Iterative (Two Loops)
missingnumber	 missingnumber	3.2b, Iterative (Two Loops)
peg	 peg	3.2b, Iterative (Two Loops)
pet	 pet	3.2b, Iterative (Two Loops)
putovanje	 putovanje	3.2b, Iterative (Two Loops)
reduction	 reduction	3.2b, Iterative (Two Loops)
register	 register	3.2b, Iterative (Two Loops)
smoothiestand	 smoothiestand	3.2b, Iterative (Two Loops)
summertrip	 summertrip	3.2b, Iterative (Two Loops)
telephones	 telephones	3.2b, Iterative (Two Loops)
tourdefrance	 tourdefrance	3.2b, Iterative (Two Loops)
00679	 Dropping Balls	3.3a, Binary Search
00957	 Popes	3.3a, Binary Search
10057	 A mid-summer night's dream...	3.3a, Binary Search
10077	 The Stern-Brocot Number Sy...	3.3a, Binary Search
10474	 Where is the Marble?	3.3a, Binary Search
10567	 Helping Fill Bates	3.3a, Binary Search
10611	 The Playboy Chimp	3.3a, Binary Search
10706	 Number Sequence	3.3a, Binary Search
10742	 The New Rule in Euphomia	3.3a, Binary Search
11057	 Exact Sum	3.3a, Binary Search
11621	 Small Factors	3.3a, Binary Search
11876	 N + NOD (N).	3.3a, Binary Search
12192	 Grapevine	3.3a, Binary Search

Both OJ	Problem Title	CP4
12965	 Angry Bids	3.3a, Binary Search
firefly	 firefly	3.3a, Binary Search
outofsorts	 outofsorts	3.3a, Binary Search
roompainting	 roompainting	3.3a, Binary Search
synchronizinglists	 synchronizinglists	3.3a, Binary Search
01315	 Crazy tea party	5.2a, Finding Formula, Easier
10014	 Simple calculations	5.2a, Finding Formula, Easier
10110	 Light, more light	5.2a, Finding Formula, Easier
10170	 The Hotel with Infinite Ro...	5.2a, Finding Formula, Easier
10499	 The Land of Justice	5.2a, Finding Formula, Easier
10696	 f91	5.2a, Finding Formula, Easier
10751	 Chessboard	5.2a, Finding Formula, Easier
10773	 Back to Intermediate Math	5.2a, Finding Formula, Easier
10940	 Throwing cards away II	5.2a, Finding Formula, Easier
11202	 The least possible effort	5.2a, Finding Formula, Easier
11393	 Tri-Isomorphism	5.2a, Finding Formula, Easier
12004	 Bubble Sort	5.2a, Finding Formula, Easier
12027	 Very Big Perfect Squares	5.2a, Finding Formula, Easier
12502	 Three Families	5.2a, Finding Formula, Easier
12725	 Fat and Orial	5.2a, Finding Formula, Easier
12918	 Lucky Thief	5.2a, Finding Formula, Easier
12992	 Huatuo's Medicine	5.2a, Finding Formula, Easier
13049	 Combination Lock	5.2a, Finding Formula, Easier
13071	Double decker	5.2a, Finding Formula, Easier

Both OJ	Problem Title	CP4
13216	 Problem with a ridiculousl...	5.2a, Finding Formula, Easier
alloys	 alloys	5.2a, Finding Formula, Easier
averageseasy	 averageseasy	5.2a, Finding Formula, Easier
<i>averageshard</i>	 averageshard	<i>5.2a, Finding Formula, Easier</i>
<i>bishops</i>	 bishops	<i>5.2a, Finding Formula, Easier</i>
chanukah	 chanukah	5.2a, Finding Formula, Easier
<i>crne</i>	 crne	<i>5.2a, Finding Formula, Easier</i>
electricaloutlets	 electricaloutlets	5.2a, Finding Formula, Easier
lastminute	 lastminute	5.2a, Finding Formula, Easier
limbo1	 limbo1	5.2a, Finding Formula, Easier
malfunctioningrobot	 malfunctioningrobot	5.2a, Finding Formula, Easier
pauleigon	 pauleigon	5.2a, Finding Formula, Easier
sequentialmanufacturing	 sequentialmanufacturing	5.2a, Finding Formula, Easier
soylent	 soylent	5.2a, Finding Formula, Easier
sumkindofproblem	 sumkindofproblem	5.2a, Finding Formula, Easier
<i>twostones</i>	 twostones	<i>5.2a, Finding Formula, Easier</i>

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