Home MtS Details Errata Repo









Methods to Solve (2000-present)

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

OJ: Both 🕶 , Topic: Chapter 8 💌 , Quality: Starred 🕶

Online Judge shown: Both

Problem topics shown: Chapter 8: More Advanced Topics only

Problem Quality: Starred

Number of problems shown (initially in CP4 order): 175

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 ventries		Search:
Both OJ	Problem Title	CP4
00711	Dividing up	8.2a, Harder Backtracking
01052	Bit Compressor	8.2a, Harder Backtracking
11090	Going in Cycle!!	8.2a, Harder Backtracking

Both OJ	Problem Title	CP4
11451	Water restrictions Online Judge	8.2a, Harder Backtracking
11699	Colline Judge Rooks	8.2a, Harder Backtracking
committeeassignment	<u>committeeassignment</u>	8.2a, Harder Backtracking
greatswercporto	greatswercporto	8.2a, Harder Backtracking
holeynqueensbatman	<u> holeynqueensbatman</u>	8.2a, Harder Backtracking
01600	Patrol Robot	8.2b, State-Space, BFS, E
10047	The Monocycle	8.2b, State-Space, BFS, E
11513	Orlino Judge 9 Puzzle	8.2b, State-Space, BFS, E
12135	Switch Bulbs	8.2b, State-Space, BFS, E
ecoins	ecoins ecoins	8.2b, State-Space, BFS, E
flipfive	<u> flipfive</u>	8.2b, State-Space, BFS, E
safe	<u>safe</u>	8.2b, State-Space, BFS, E
11198	Dancing Digits	8.2c, State-Space, BFS, H
11212	Editing a Book	8.2c, State-Space, BFS, H
11329	Curious Fleas	8.2c, State-Space, BFS, H
12445	Collino Judge Happy 12	8.2c, State-Space, BFS, H
keyboard	<u>keyboard</u>	8.2c, State-Space, BFS, H
robotmaze	<u>robotmaze</u>	8.2c, State-Space, BFS, H
robotturtles	<u>robotturtles</u>	8.2c, State-Space, BFS, H
00658	It's not a Bug, it's a Fea	8.2d, State-Space, Dijkstra
01048	Low Cost Air Travel	8.2d, State-Space, Dijkstra
01057	Conline Judge Routing.	8.2d, State-Space, Dijkstra
10269	Adventure of Super Mario	8.2d, State-Space, Dijkstra
bumped	<u>bumped</u>	8.2d, State-Space, Dijkstra

Both OJ	Problem Title	CP4
destinationunknown	<u>destinationunknown</u>	8.2d, State-Space, Dijkstra
00672	Gangsters	8.3a, DP level 3
01172	The Bridges of Kolsberg.	8.3a, DP level 3
01211	Atomic Car Race	8.3a, DP level 3
10645	online Judge Menu	8.3a, DP level 3
aspenavenue	<u>aspenavenue</u>	8.3a, DP level 3
busticket	<u>busticket</u>	8.3a, DP level 3
01238	Free Parentheses	8.3b, DP level 4
10304	Optimal Binary Search Tree	8.3b, DP level 4
12870	Fishing.	8.3b, DP level 4
coke	<u>coke</u>	8.3b, DP level 4
companypicnic	<u>companypicnic</u>	8.3b, DP level 4
rollercoasterfun	<u>rollercoasterfun</u>	8.3b, DP level 4
00702	The Vindictive Coach	8.3c, Counting Paths, Harder
11125	Arrange Some Marbles	8.3c, Counting Paths, Harder
11375	Online Judge Matches	8.3c, Counting Paths, Harder
11432	Busy Programmer	8.3c, Counting Paths, Harder
countcircuits	<u>countcircuits</u>	8.3c, Counting Paths, Harder
favourable	<u> favourable</u>	8.3c, Counting Paths, Harder
pachinkoprobability	pachinkoprobability	8.3c, Counting Paths, Harder
01099	Sharing Chocolate	8.3d, DP with Bitmask
01252	Twenty Questions	8.3d, DP with Bitmask
10911	Forming Quiz Teams	8.3d, DP with Bitmask
11825	Hackers' Crackdown	8.3d, DP with Bitmask

Both OJ	Problem Title	CP4
hidingchickens	<u>hidingchickens</u>	8.3d, DP with Bitmask
narrowartgallery	<u>narrowartgallery</u>	8.3d, DP with Bitmask
pebblesolitaire2	pebblesolitaire2	8.3d, DP with Bitmask
00820	Internet Bandwidth	8.4a, Network Flow, Standard
11167	Monkeys in the Emei Mounta	8.4a, Network Flow, Standard
11418	Clever Naming Patterns	8.4a, Network Flow, Standard
12873	The Programmers	8.4a, Network Flow, Standard
maxflow	<u>maxflow</u>	8.4a, Network Flow, Standard
mazemovement	<u>mazemovement</u>	8.4a, Network Flow, Standard
mincut	<u>mincut</u>	8.4a, Network Flow, Standard
00563	Crimewave	8.4b, Network Flow, Variants
11380	Down Went The Titanic	8.4b, Network Flow, Variants
11757	Winger Trial	8.4b, Network Flow, Variants
11765	Component Placement	8.4b, Network Flow, Variants
avoidingtheapocalypse	<u>avoidingtheapocalypse</u>	8.4b, Network Flow, Variants
thekingofthenorth	thekingofthenorth	8.4b, Network Flow, Variants
transportation	<u>transportation</u>	8.4b, Network Flow, Variants
00989	Online Judge Su Doku	8.6a, NP-hard/C, small, E
11088	End up with More Teams	8.6a, NP-hard/C, small, E
12455	Online Judge Bars	8.6a, NP-hard/C, small, E
equalsumseasy	equalsumseasy	8.6a, NP-hard/C, small, E
flowfree	<u>flowfree</u>	8.6a, NP-hard/C, small, E
font	<u>font</u>	8.6a, NP-hard/C, small, E
socialadvertising	<u>socialadvertising</u>	8.6a, NP-hard/C, small, E

Both OJ	Problem Title	CP4
01098	Robots on Ice	8.6b, NP-hard/C, small, H
10571	online Judge Products	8.6b, NP-hard/C, small, H
11095	Tabriz City	8.6b, NP-hard/C, small, H
12911	Subset sum	8.6b, NP-hard/C, small, H
beanbag	<u>beanbag</u>	8.6b, NP-hard/C, small, H
busplanning	<u>busplanning</u>	8.6b, NP-hard/C, small, H
programmingteamselection	programmingteamselection	8.6b, NP-hard/C, small, H
01347	Tour	8.6c, NP-hard/C, special, E
10859	Placing Lampposts	8.6c, NP-hard/C, special, E
11159	Factors and Multiples	8.6c, NP-hard/C, special, E
11357	Ensuring Truth	8.6c, NP-hard/C, special, E
bilateral	<u> bilateral</u>	8.6c, NP-hard/C, special, E
europeantrip	<u>europeantrip</u>	8.6c, NP-hard/C, special, E
reactivity	<u>reactivity</u>	8.6c, NP-hard/C, special, E
01086	The Ministers' Major Mess	8.6d, NP-hard/C, special, H
01096	The Islands	8.6d, NP-hard/C, special, H
01184	Online Judge Air Raid	8.6d, NP-hard/C, special, H
01212	Online Judge Duopoly	8.6d, NP-hard/C, special, H
jailbreak	<u>jailbreak</u>	8.6d, NP-hard/C, special, H
ridofcoins	<u>ridofcoins</u>	8.6d, NP-hard/C, special, H
wedding	<u>wedding</u>	8.6d, NP-hard/C, special, H
00714	Copying Books	8.7a, BSTA+Other, Easier
10816	Travel in Desert	8.7a, BSTA+Other, Easier
11262	Weird Fence	8.7a, BSTA+Other, Easier

Both OJ	Problem Title	CP4
12097	online Judge Pice	8.7a, BSTA+Other, Easier
arrivingontime	<u>arrivingontime</u>	8.7a, BSTA+Other, Easier
charlesincharge	<u>charlesincharge</u>	8.7a, BSTA+Other, Easier
programmingtutors	<u>programmingtutors</u>	8.7a, BSTA+Other, Easier
01221	Against Mammoths	8.7b, BSTA+Other, Harder
10537	The Toll! Revisited	8.7b, BSTA+Other, Harder
10983	Buy one, get the rest free	8.7b, BSTA+Other, Harder
catandmice	<u>catandmice</u>	8.7b, BSTA+Other, Harder
gravamen	g ravamen	8.7b, BSTA+Other, Harder
wifi	<u>wifi</u>	8.7b, BSTA+Other, Harder
11960	Divisor Game	8.7c, Fast DS+Other, Easier
12318	Digital Roulette	8.7c, Fast DS+Other, Easier
12460	Careful teacher	8.7c, Fast DS+Other, Easier
bing	<u>bing</u>	8.7c, Fast DS+Other, Easier
busnumbers2	<u>busnumbers2</u>	8.7c, Fast DS+Other, Easier
selfsimilarstrings	selfsimilarstrings	8.7c, Fast DS+Other, Easier
undetected	<u>undetected</u>	8.7c, Fast DS+Other, Easier
00843	Crypt Kicker	8.7d, Fast DS+Other, Harder
11474	Dying Tree	8.7d, Fast DS+Other, Harder
11525	Permutation	8.7d, Fast DS+Other, Harder
dictionaryattack	<u>Maictionaryattack</u>	8.7d, Fast DS+Other, Harder
doublets	<u>doublets</u>	8.7d, Fast DS+Other, Harder
magicallights	<u>magicallights</u>	8.7d, Fast DS+Other, Harder
sparklesseven	<u>sparklesseven</u>	8.7d, Fast DS+Other, Harder

Both OJ	Problem Title	CP4
10012	How Big Is It?	8.7e, Geometry+CS
10167	Birthday Cake	8.7e, Geometry+CS
10823	Of Circles and Squares	8.7e, Geometry+CS
11227	The silver bullet.	8.7e, Geometry+CS
collidingtraffic	<u>collidingtraffic</u>	8.7e, Geometry+CS
cranes	<u>cranes</u>	8.7e, Geometry+CS
doggopher	<u>Maggopher</u>	8.7e, Geometry+CS
10514	River Crossing	8.7f, Geometry+Other
11008	Antimatter Ray Clearcuttin	8.7f, Geometry+Other
12322	Handgun Shooting Sport	8.7f, Geometry+Other
findinglines	<u>findinglines</u>	8.7f, Geometry+Other
humancannonball	<u>humancannonball</u>	8.7f, Geometry+Other
walkway	<u>walkway</u>	8.7f, Geometry+Other
00393	The Doors	8.7g, Graph+Other
01092	Tracking Bio-bots	8.7g, Graph+Other
12159	Gun Fight	8.7g, Graph+Other
12797	Letters Letters	8.7g, Graph+Other
crowdcontrol	<u>crowdcontrol</u>	8.7g, Graph+Other
gears2	gears2	8.7g, Graph+Other
gridmst	g ridmst	8.7g, Graph+Other
01069	Always an integer	8.7h, Mathematics+Other
10539	Almost Prime Numbers	8.7h, Mathematics+Other
11282	Mixing Invitations Mixing Invitations	8.7h, Mathematics+Other
emergency	<u>emergency</u>	8.7h, Mathematics+Other

Both OJ	Problem Title	CP4
industrialspy	<u>industrialspy</u>	8.7h, Mathematics+Other
megainversions	<u>megainversions</u>	8.7h, Mathematics+Other
ontrack	ontrack ontrack	8.7h, Mathematics+Other
00976	Bridge Building.	8.7i, Graph+DP
10937	Blackbeard the Pirate	8.7i, Graph+DP
11324	The Largest Clique	8.7i, Graph+DP
11331	The Joys of Farming	8.7i, Graph+DP
treasurediving	<u>treasurediving</u>	8.7i, Graph+DP
walkforest	<u>walkforest</u>	8.7i, Graph+DP
10533	Digit Primes	8.7j, Other+DP 1D RSQ/RMQ
10891	Game of Sum	8.7j, Other+DP 1D RSQ/RMQ
11032	Function Overloading	8.7j, Other+DP 1D RSQ/RMQ
11408	Count DePrimes	8.7j, Other+DP 1D RSQ/RMQ
centsavings	<u>entsavings</u> <u>centsavings</u>	8.7j, Other+DP 1D RSQ/RMQ
dvoniz	<u>dvoniz</u>	8.7j, Other+DP 1D RSQ/RMQ
program	<u>program</u>	8.7j, Other+DP 1D RSQ/RMQ
00295	Colline Judge Fatman	8.7k, Three++ Components, E
01250	Robot Challenge	8.7k, Three++ Components, E
10856	Recover Factorial	8.7k, Three++ Components, E
beeproblem	<u>beeproblem</u>	8.7k, Three++ Components, E
gettingthrough	gettingthrough	8.7k, Three++ Components, E
researchproductivityindex	<u>researchproductivityindex</u>	8.7k, Three++ Components, E
00811	The Fortified Forest	8.7l, Three++ Components, H
01040	The Traveling Judges Probl	8.7l, Three++ Components, H

Both OJ	Problem Title	CP4				
01079	A Careful Approach	<u>Approach</u> 8.7l, Three++ Components, H				
carpool	<u>carpool</u>	8.7l, Three++ Components, H				s, H
clockpictures	<u>clockpictures</u>	8.7l, Three++ Components, H				
guessthenumbers	<u>guessthenumbers</u>	8.7l, Three++ Components, H			s, H	
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