Competitive Programming
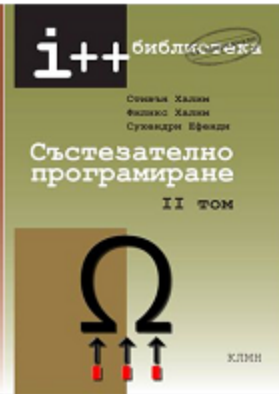
Methods to Solve (2000-present)

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

OJ: [Both ▾] , Topic: [Chapter 7 ▾] , Quality: [All ▾]

Online Judge shown: Both
Problem topics shown: Chapter 7 : (Computational) Geometry only
Problem Quality: All
Number of problems shown (initially in CP4 order): 209
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
00152	Tree's a Crowd	7.2a, Points
00587	There's treasure everywher...	7.2a, Points
00920	Sunny Mountains	7.2a, Points

Both OJ	Problem Title	CP4
_01595_	_Symmetry_	_7.2a, Points_
10357	Playball !!!	7.2a, Points
10466	How Far?	7.2a, Points
10585	Center of symmetry	7.2a, Points
10832	Yoyodyne	7.2a, Points
10865	Brownie Points	7.2a, Points
_10927_	_Bright Lights_	_7.2a, Points_
11012	Cosmic Cabbages	7.2a, Points
11505	Logo	7.2a, Points
_11894_	_Genius MJ_	_7.2a, Points_
12704	Little Masters	7.2a, Points
browniepoints	_browniepoints_	_7.2a, Points_
cursethedarkness	_cursethedarkness_	_7.2a, Points_
imperfectgps	_imperfectgps_	_7.2a, Points_
jointjogjam	jointjogjam	7.2a, Points
logo	logo	7.2a, Points
mandelbrot	mandelbrot	7.2a, Points
sibice	sibice	7.2a, Points
00191	Intersection	7.2b, Lines
00378	Intersecting Lines	7.2b, Lines
00833	Water Falls	7.2b, Lines
00837	Light and Transparencies	7.2b, Lines
00866	Intersecting Line Segments	7.2b, Lines
01249	Euclid	7.2b, Lines

Both OJ	Problem Title	CP4
10242	Fourth Point !!	7.2b, Lines
10250	The Other Two Trees	7.2b, Lines
10263	Railway	7.2b, Lines
10902	Pick-up Sticks	7.2b, Lines
11068	An Easy Task	7.2b, Lines
11343	Isolated Segments	7.2b, Lines
11519	Logo 2	7.2b, Lines
11783	Nails	7.2b, Lines
13117	ACIS, A Contagious vIruS	7.2b, Lines
completingthesquare	completingthesquare	7.2b, Lines
countingtriangles	countingtriangles	7.2b, Lines
goatrope	goatrope	7.2b, Lines
hurricanedanger	hurricanedanger	7.2b, Lines
logo2	logo2	7.2b, Lines
platforme	platforme	7.2b, Lines
rafting	rafting	7.2b, Lines
segmentdistance	segmentdistance	7.2b, Lines
triangleornaments	triangleornaments	7.2b, Lines
trojke	trojke	7.2b, Lines
unlockpattern	unlockpattern	7.2b, Lines
01388	Graveyard	7.2c, Circles
10005	Packing polygons	7.2c, Circles
10136	Chocolate Chip Cookies	7.2c, Circles
10180	Rope Crisis in Ropeland!	7.2c, Circles

Both OJ	Problem Title	CP4
10209	Is This Integration ?	7.2c, Circles
10221	Satellites	7.2c, Circles
10283	The Kissing Circles	7.2c, Circles
10287	Gifts in a Hexagonal Box	7.2c, Circles
10432	Polygon Inside A Circle	7.2c, Circles
10451	Ancient Village Sports	7.2c, Circles
10573	Geometry Paradox	7.2c, Circles
10589	Area	7.2c, Circles
10678	*The Grazing Cow*	*7.2c, Circles*
12578	10:6:2	7.2c, Circles
12748	Wifi Access	7.2c, Circles
amsterdamdistance	*amsterdamdistance*	*7.2c, Circles*
anthonyanddiablo	anthonyanddiablo	7.2c, Circles
ballbearings	ballbearings	7.2c, Circles
biggest	*biggest*	*7.2c, Circles*
dartscores	dartscores	7.2c, Circles
estimatingtheareaofacircle	*estimatingtheareaofacircle*	*7.2c, Circles*
fractalarea	fractalarea	7.2c, Circles
halfacookie	halfacookie	7.2c, Circles
herman	herman	7.2c, Circles
ornaments	*ornaments*	*7.2c, Circles*
pizza2	pizza2	7.2c, Circles
racingalphabet	racingalphabet	7.2c, Circles
sanic	sanic	7.2c, Circles

Both OJ	Problem Title	CP4
tracksmoothing	🐱 tracksmoothing	7.2c, Circles
watchdog	🐱 watchdog	7.2c, Circles
00313	Intervals	7.2d, Triangles (Trig)
00427	FlatLand Piano Movers	7.2d, Triangles (Trig)
10210	Romeo and Juliet !	7.2d, Triangles (Trig)
10286	Trouble with a Pentagon	7.2d, Triangles (Trig)
10387	Billiard	7.2d, Triangles (Trig)
10792	The Laurel-Hardy Story	7.2d, Triangles (Trig)
11326	Laser Pointer	7.2d, Triangles (Trig)
11854	Egypt	7.2d, Triangles (Trig)
11909	Soya Milk	7.2d, Triangles (Trig)
12901	Refraction	7.2d, Triangles (Trig)
alldifferentdirections	🦊 alldifferentdirections	7.2d, Triangles (Trig)
bazen	🦊 bazen	7.2d, Triangles (Trig)
billiard	🦊 billiard	7.2d, Triangles (Trig)
egypt	🦊 egypt	7.2d, Triangles (Trig)
humancannonball2	🦊 humancannonball2	7.2d, Triangles (Trig)
ladder	🦊 ladder	7.2d, Triangles (Trig)
mountainbiking	🦊 mountainbiking	7.2d, Triangles (Trig)
santaklas	🦊 santaklas	7.2d, Triangles (Trig)
vacuumba	🦊 vacuumba	7.2d, Triangles (Trig)
00143	Orchard Trees	7.2e, Triangles + Circles
00190	Circle Through Three Point...	7.2e, Triangles + Circles
00375	Inscribed Circles and Isos...	7.2e, Triangles + Circles

Both OJ	Problem Title	CP4
00438	*The Circumference of the C...*	*7.2e, Triangles + Circles*
10195	The Knights Of The Round T...	7.2e, Triangles + Circles
10347	Medians	7.2e, Triangles + Circles
10522	Height to Area	7.2e, Triangles + Circles
10577	*Bounding box*	*7.2e, Triangles + Circles*
10991	Region	7.2e, Triangles + Circles
11152	Colourful Flowers	7.2e, Triangles + Circles
11164	Kingdom Division	7.2e, Triangles + Circles
11281	*Triangular Pegs in Round H...*	*7.2e, Triangles + Circles*
11437	Triangle Fun	7.2e, Triangles + Circles
11479	Is this the easiest proble...	7.2e, Triangles + Circles
11579	Triangle Trouble	7.2e, Triangles + Circles
11936	The Lazy Lumberjacks	7.2e, Triangles + Circles
13215	*Polygonal Park*	*7.2e, Triangles + Circles*
cropeasy	*cropeasy*	*7.2e, Triangles + Circles*
greedypolygons	greedypolygons	7.2e, Triangles + Circles
queenspatio	queenspatio	7.2e, Triangles + Circles
stickysituation	*stickysituation*	*7.2e, Triangles + Circles*
triarea	triarea	7.2e, Triangles + Circles
trilemma	*trilemma*	*7.2e, Triangles + Circles*
00155	All Squares	7.2f, Quadrilaterals
00209	*Triangular Vertices*	*7.2f, Quadrilaterals*
00460	Overlapping Rectangles	7.2f, Quadrilaterals
00476	Points in Figures: Rectang...	7.2f, Quadrilaterals

Both OJ	Problem Title	CP4
00477	Points in Figures: Rectang…	7.2f, Quadrilaterals
11207	The easiest way	7.2f, Quadrilaterals
11314	Hardly Hard	7.2f, Quadrilaterals
11345	Rectangles	7.2f, Quadrilaterals
11455	Behold my quadrangle	7.2f, Quadrilaterals
11639	Guard the Land	7.2f, Quadrilaterals
11648	Divide The Land	7.2f, Quadrilaterals
11800	*Determine the Shape*	*7.2f, Quadrilaterals*
11834	Elevator	7.2f, Quadrilaterals
12256	*Making Quadrilaterals*	*7.2f, Quadrilaterals*
12611	Beautiful Flag	7.2f, Quadrilaterals
12894	Perfect Flag	7.2f, Quadrilaterals
areal	areal	7.2f, Quadrilaterals
armcoordination	armcoordination	7.2f, Quadrilaterals
cetvrta	*cetvrta*	*7.2f, Quadrilaterals*
flowlayout	flowlayout	7.2f, Quadrilaterals
frosting	frosting	7.2f, Quadrilaterals
grassseed	grassseed	7.2f, Quadrilaterals
hittingtargets	hittingtargets	7.2f, Quadrilaterals
kornislav	kornislav	7.2f, Quadrilaterals
officespace	*officespace*	*7.2f, Quadrilaterals*
pieceofcake2	pieceofcake2	7.2f, Quadrilaterals
rectanglesurrounding	*rectanglesurrounding*	*7.2f, Quadrilaterals*
roundedbuttons	*roundedbuttons*	*7.2f, Quadrilaterals*

Both OJ	Problem Title	CP4
squarepeg	🐾 squarepeg	7.2f, Quadrilaterals
taisformula	🐾 taisformula	7.2f, Quadrilaterals
00478	Points in Figures: Rectang...	7.3a, Polygon, Easier
00634	*Polygon*	*7.3a, Polygon, Easier*
00681	Convex Hull Finding	7.3a, Polygon, Easier
01206	Boundary Points	7.3a, Polygon, Easier
10060	A hole to catch a man	7.3a, Polygon, Easier
10112	Myacm Triangles	7.3a, Polygon, Easier
11072	Points	7.3a, Polygon, Easier
11096	Nails	7.3a, Polygon, Easier
11447	*Reservoir logs*	*7.3a, Polygon, Easier*
11473	*Campus Roads*	*7.3a, Polygon, Easier*
11626	Convex Hull	7.3a, Polygon, Easier
convexhull	*convexhull*	*7.3a, Polygon, Easier*
convexhull2	convexhull2	7.3a, Polygon, Easier
convexpolygonarea	*convexpolygonarea*	*7.3a, Polygon, Easier*
cookiecutter	cookiecutter	7.3a, Polygon, Easier
cuttingcorners	*cuttingcorners*	*7.3a, Polygon, Easier*
dartscoring	dartscoring	7.3a, Polygon, Easier
jabuke	jabuke	7.3a, Polygon, Easier
polygonarea	polygonarea	7.3a, Polygon, Easier
robotprotection	*robotprotection*	*7.3a, Polygon, Easier*
simplepolygon	simplepolygon	7.3a, Polygon, Easier
00109	SCUD Busters	7.3b, Polygon, Harder

Both OJ	Problem Title	CP4
00132	Bumpy Objects	7.3b, Polygon, Harder
00137	Polygons	7.3b, Polygon, Harder
00218	Moth Eradication	7.3b, Polygon, Harder
00361	Cops and Robbers	7.3b, Polygon, Harder
00596	The Incredible Hull	7.3b, Polygon, Harder
00858	Berry Picking	7.3b, Polygon, Harder
01111	Trash Removal	7.3b, Polygon, Harder
10002	Center of Masses	7.3b, Polygon, Harder
10065	Useless Tile Packers	7.3b, Polygon, Harder
10256	The Great Divide	7.3b, Polygon, Harder
10406	Cutting tabletops	7.3b, Polygon, Harder
10445	Make Polygon	7.3b, Polygon, Harder
10652	Board Wrapping	7.3b, Polygon, Harder
11265	The Sultan's Problem	7.3b, Polygon, Harder
abstractart	abstractart	7.3b, Polygon, Harder
convex	convex	7.3b, Polygon, Harder
largesttriangle	largesttriangle	7.3b, Polygon, Harder
playingtheslots	playingtheslots	7.3b, Polygon, Harder
pointinpolygon	pointinpolygon	7.3b, Polygon, Harder
roberthood	roberthood	7.3b, Polygon, Harder
skyline	skyline	7.3b, Polygon, Harder
wrapping	wrapping	7.3b, Polygon, Harder
00535	Globetrotter	7.4a, 3D Geometry
00737	Gleaming the Cubes	7.4a, 3D Geometry

Both OJ	Problem Title	CP4
00815	Flooded!	7.4a, 3D Geometry
01280	Curvy Little Bottles	7.4a, 3D Geometry
10297	Beavergnaw	7.4a, 3D Geometry
10316	Airline Hub	7.4a, 3D Geometry
10897	Travelling Distance	7.4a, 3D Geometry
11817	Tunnelling the Earth	7.4a, 3D Geometry
airlinehub	airlinehub	7.4a, 3D Geometry
beavergnaw	beavergnaw	7.4a, 3D Geometry
bottles	bottles	7.4a, 3D Geometry
cheese	cheese	7.4a, 3D Geometry
flowers	flowers	7.4a, 3D Geometry
infiniteslides	infiniteslides	7.4a, 3D Geometry
movingday	movingday	7.4a, 3D Geometry
waronweather	waronweather	7.4a, 3D Geometry

Showing 1 to 209 of 209 entries

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