	This was also should be		Andre One of the male in-	Overall 000 analylana	- 6		
				Overall ~800 problems		problem solving.	
Problem Solving Sheet	mostafa.saad.fci@gr		Ask.fm	Site / More Contacts			
	Video explaining this		gh a bit outdated				
	Currenet Version V6	.0					
What is this Sheet?	 In the bottom row, t Covering all topics Problems of scales Problems increase Speed problems to A lot of recorded vio 	here are different sh needed up to codefo 1 - 5.5 / 10 + Few ha in difficulty per topic maintain speed goal deos for problems so	eet pages such as Farces Div2-D arder ones with intermediate eas s dutions, espically for	solve & algorithms to lad, CF-A, CF-Betc sy/medium problems - the entry levels (Arabi themselves 95% of it	+ ad-hoc problems	neet page)	
Advantages of this Sheet?	==> This roadmap - Typical issues in ou - Why? A) No specific roa B) Training while C) Focus on spec - Again, this sheet so	does its best to satis ir Arabian region: Gu dmap or keep switch knowing problem cat ific online judge ilves these issues down your statiscs to	of that the sys with 700-1000 so thing between them tegory / level	of quality and quantition of quality and still street problems and still go you consume much	l weak!		
	This is a personal Go	oogle sheet for you [I	Make a copy from fil	e MENU] to have sets	of problems to solve	e coupled with algorithr	ns to learn
Your Sheet COPY	- Don't download the - Can't edit it? Becau - Just make a copy te - Then work over it o - Login to ur google (- Go to my sheet - In the sheet click or - select Make copy - it will create copy fe - RENAME it to Junic - Now the copied she	se it is read-only . R b your google driver nline. Following are t Gmail n 'file' menu or u or Sheet <your name<="" th=""><th>the details</th><th>gle drive and you will</th><th>find it)</th><th></th><th></th></your>	the details	gle drive and you will	find it)		
	NOTE: If u did so and	d still read-only form	at then you are again	n opening my sheet (e	a with old name) N	NOT your copy	
For Whom?	A junior is anyone wh				.g. with old flame), I	.c. your copy	
i di vindiri:				+ STL + Debugging	Ckillo		C++ is highly recommended
Prerequisites?		l, Finish Assiut Univ	ersity provides an ea	asier starting roadmap		Novice RoadMap	Online Judge
				Solver to be Channe		Code El Masry Chan	nel
	Code With any langu	age but preferred o	or dava. For dava.	COIVER TO BE CHAINED	<u>.</u>	Code El Maory Charl	HCI CONTRACTOR OF THE CONTRACT
Training Style?	You can train alone	hut highly advised to	find nartner(s) to we	ork with to encourage	each other		
Training Ctyle:	rod oan train dione,	but mgmy davioca to	inia paraier(o) to we	The with to choodings t	Caon other.		
Skills Goals	Maying from Junior I	aval ta Cami Caniar	Lavali A ana wha da	protty well in CE Div	A D C D and simi	lar lavala (a.a. TC Div	1000
						lar levels (e.g. TC-Div2	
Knowledge Goals	Understand and build	tair knowledge in s	ome algorithms in Ni	umber Theory, Dynam	ic Programming, Gre	eedy, Graph Theory an	d Search
		,		blems on knolwdge top	, ,	. ,	
	Each sheet has some	e sets, each set is ~	10-15 problemsThe	e top sets are mandat	oryThe below sets	(after line mark) are o	ptional
	If you did well in the	mandatory sets, mov	e to next sheetoth	erwise you still need tr	aining on similar lev	elthen solve the option	onal problems
	Please watch the vid	eos in order, solve U	IVA/SPOJ problems	in order. Don't skip the	em.		
	In some columns, so	me time recordings.	This helps you to know	ow how much time you	u take per a problem	use that to recognize	your problems
Sheets	In the level column g	ive an estimate to th	e problem level from	1-2 (easy), 3-4 (media	um), 5-6(hard), 7-8 (had to read editorials),	9-10 (can't solve)
	In the comments colu	umnwrite comments	s for hard problems.				
	Put problem Status	AC (for Accepted)	CS (can't solve)	Other valu	ues: WA (wrong ansv	wer), TLE (time limit ex	ceeded), RTE, MLE
	If you solved a proble	em before, put ACX i	nstead of AC. Don't	resolve			
	Don't let a problem c	onsumes more than	2-3 hours. If can't so	lve it, see editorials/so	olutions. If still can't s	solve it, just leave it for	now.
	Don't compare yours						
	Use the following gui	de to assign a prope	r problem level				
Problem Level Column	Div2-A => 1 - 2 Div2-B => 1.5 - 3 Div2-C => 3 - 5.5 Div2-D => 5 - 6.5 Div2-E => 6 - 7.5 D1-D => 7 - 8.5 D1-E => 8 - 9.5			problem level such as	5. But it can be: 1, 1	.5, 2. Very few might b	ne 2.5
	05400 55 :	05/	(5)	\	<u> </u>	1400 =	-
Notations	CF136-D2-A		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Note this is not Rou	nd 136 it is Round 9	<i>I</i>
	SRM150-D2-1000	ъкм 150 (Topcodei	r), D2 (Division 2), 10	บบบ (3ra problem)			
	05400 50 :						
	CF483-D2-A	White for a problem	trom godoforogo				

roblems Colors	<u>UVA 10242</u>	Basic (if possible)	Knowledge problem	n on the just watche	d videos		
	SPOJ CDOWN	A knowledge prob	lem on topic you wa	tched before, will be	e harder than basic	oroblems	
	CF518-D2-B	Problem of easier	level than current s	heet page level to e	nhance multiple train	ning levels in sam	e time instead of 1 level training
loving faster	Do I have to solve	every problem? For	Div2 (A, B, C1) => N	No. If you can move	faster, do it. For No	n CF problems (E	.g. UVA), please solve all
thers Solutions	If you colved a prob	blom, plagge age age	mo other accepted s	solutions in codefere	oo You don't nood	o watch my linkas	t videos unless can't calvo
thers solutions	ii you soived a pioi	piem, piease see soi	ne otner accepted s	solutions in codeloic	es. Tou don't need	o water my linket	d videos unless can't solve
	Awesome Competi	itive Programming	Many awesome	links - very helpful fo	or English guys		
	Ahmed Elsaghir Tra	ainnig	Ahmed is senior	from GUC			
	A2oj Ladders		Don't like my she	et? Go with Ahmed	Aly Ladders		
ternal Resources	Prgramming Ahme	d M sayd	Arabic Programn	ning Playlist			
	Programming Moha		Arabic Programn				
	More Resources		Each video is pa	• •			
	<u>More resources</u>		Lacit video io pa	it of a playhot			
	V1: initial release						
		s. Sheet P2A: Little r	problems replaced +	reordering, P2B, P2	2C. P2D merged in	P2B. P3A and P3I	B: new knowledge sheets
		names. P3A, P3B					
	3- Distributing man Other concerns: 4- More smooth tra 5- Utilizing the new V5	oblems after each vicing of the knowledge parasitions from a sheet many problems addutions to some existing	oroblems inside the	the main sheets inst		n to the last shee	ts.
istory	- Added new topics Polygons - Added problems to Added 3 sheets for Note: If you were under the Then Remove Mits - Click on the arrow	Tree Diameter, Iso for old categories to or Div2-D (contains to using version 4.X, the	tro videos morphism, DP (bitm balance the available he old Misc sheet poen the major change	le problem levels peroblems) for you is replacing	r category.		e, 2 pointers, Trie, KMP, Geometry
listory	- Added new topics Polygons - Added problems I - Added 3 sheets for Note: If you were u - Then Remove Mis - Click on the arrow V6: - Added 3 columns - Each sheet is enhsame time (hard vs - Added probability - Added Topologics - Solution editorials - Add many problem other problems (su repeated ideas, he === If you are working i Say you are in mid-	for old categories to or Div2-D (contains to prove the school of the sch	tro videos morphism, DP (bitm balance the available old Misc sheet plant the major change and make copy for y time, category and s from the lower sheet he new added coth videos/problems -CF problems / more so marked as interesing on sheets with a bile solving much less the convenient point. Then remove C2, I	for you is replacing your sheet by yourself columns set (shifted from it). olor e videos in DIv2-A/D sting problems. Rem simple, but hard to its. to switch. E.g. if you on, D2, D3. In the ne	"Misc" sheet with the The purpose is to make	e 3 Div2-D sheets x levels per sheet s that I think not t problems seems	
istory	- Added new topics Polygons - Added problems I - Added 3 sheets for Note: If you were u - Then Remove Mis - Click on the arrow V6: - Added 3 columns - Each sheet is enhsame time (hard vs - Added probability - Added Topologics - Solution editorials - Add many problem other problems (su repeated ideas, he === If you are working i Say you are in mid-	for old categories to be provided in the second of the sheet of the sheet of the second of the sheet oncern). Self-expectations Englis al sort problems in sheet of the sheet of the sheet oncern) self-expectations Englis al sort problems in the sheet of	tro videos morphism, DP (bitm balance the available old Misc sheet plant the major change and make copy for y time, category and s from the lower sheet he new added coth videos/problems -CF problems / more so marked as interesing on sheets with a bile solving much less the convenient point. Then remove C2, I	for you is replacing your sheet by yourself columns set (shifted from it). olor e videos in DIv2-A/D sting problems. Rem simple, but hard to its. to switch. E.g. if you on, D2, D3. In the ne	"Misc" sheet with the The purpose is to make	e 3 Div2-D sheets x levels per sheet s that I think not t problems seems	s. If wanna migrate: t, hence allow multiple training levels hat interesting or its ideas covered by for the trainer novel in idea with less nove to new sheet page from next on

Special Thanks for All volunteers in videos recording / Editorials writing

Q) What is the sheet requirements? Should I study algorithms and Data structures?

- ONLY programming skills (e.g. Programming 1 level). It is highly advised to implement 2-3 projects
- NO for datastructures, but learn STL (or Collections in Java/C#), It helps alot
- NO for algorithms, the sheet will teach you that in a smooth way
- For C++ guys (and others as guide) first 18 videos here: https://www.youtube.com/playlist?list=PLPt2dINI2MIZPFq6HyUB1Uhxdh1UDnZMS

Q) When should I give up and check the editorials and solutions?

https://ask.fm/mostafasaad87/answers/144907000290

Q) Got WA, should I check directly the test cases?

- No, remember in a real contest you only know your problem status (WA, TLE, ...etc)
- Struggle to find the wrong case by yourself. At least 15-30 minutes.
 Don't keep trying longer, just check the test cases
- If you can write a brute force solution for your problem, write a stress test: Generate random cases and compare the optimal algorithm with the brute force case

Q) Should I solve every problem?

- Generally, preferred, but If you think certain level is easy (e.g. solve it within 15 minutes), then jump a block and so on This jumping might be for codeforces problems only

Q) Just started in Div2-A, could I finish its codeforces problems first, then solve the UVA/Colored problems?

- Many iuniors find UVA problems in Div2-A hard, I understand
- Yes, almost same for Div2-B. But don't do that in next sheets as order might matter, because all of such knowledge are mainly preparations for hard Div2-B or Div2-C
- However, following the order is a much better idea
 Similarly, one could finish All Div2-A/Div2-B codeforces problems, then solve their colored problems. Again, this is not the best way.

Q) Is using C# ok?

- Generally yes, but you won't be able to submit in UVA judge, as C# is not supported
- For such problems, write your code, but heavily test it. You may download an internet code and evalaute the test case on both On the other hand, learning Basic C++ + STL is not hard for C#/Java guys

- C++/Java/Python are official in UVA Codeforces allows more such as Javascript

Q) When I watch a video, should I solve the problems in its info section?

- No, sheet has subset of these problems already in specific order
- Sheet is self-contained

Q) I watched the video, but it is hard, any tips?

- Algorithms are hard, learn to struggle
- Watch the video 2-3 times, try to rewrite its code by yourself Still can't get it? Google for more materials from the web (ppt/pdf/videos) and try to learn
- In worst case, leave it for now and return to it later

Q) How does your sheet prepare for **ECPC/ACPC**?

- The sheet prepares you to reach level 5-5.5/10 in several categories
- If a team of 3 members solved the whole sheet, they may rank in the top 15 in the contest

Q) How **much time** do I need to finish the sheet?

- Answer varies from one to another.
- The sheet has ~750 problems. Around 60 videos.
- Let say you need on average 90 minutes per the problem Then one needs ! (90 * 750)/60 + 3 * 60 = 1300 hours
- Now, think about the exptected training time during study and vacations to do your estimate
 I think for guys who dedicate much time, then matter of 9-12 months

Q) How could I prepare for Google/Facebook internships through your sheet?

- Finish up to CF-C2 sheet, then study from the "Cracking the Coding Interview: 150 Programming Questions and Solutions" book
- Also watch: https://www.youtube.com/watch?v=39vqarATPyM

Q) How different is your sheet versus Ahmed Aly Ladders?

- Ladder problems are selected automatically, no personal investigation for the actual benefit/need from the problem
- Mine is mixed between automated and manual.
- At the current moments, many of my trainees and students feedback, I am aware of the problem level and its category.

- It updated the sheet many times because of the received feedback
 My sheet involves the algorithms videos to learn, in order, while you grow up.
 I selected videos to prepare you as soon as possible for Div2-C/Div2-D where many algorithms starts to appear
 It is a sheet. ready for you to record your times, notes...etc...this help to improve yourself
 It is not blocking style. If you can't solve problem, just leave it and move to other one. In ladders, you see next problem when solve current one (or do workarounds)

Q) How did you select problems for the sheet?

- Long story, many versions were there, from a version to another improvements were applied
 Codeforces problems where rated based on this CF tool: http://codeforces.com/blog/entry/46304?mobile=true#_=_
- Any rating is just an estimation. I found this one a pretty reasonable measure The videos are selected such that when comes to Div2-C/, you are ready
- Manual selections and investigations for non-CF problems to be used in the sheet
 Lots of manual efforts and investigations and feedback processing

Q) what is the next step after finishing your sheet ?

- Joining directly my ICPC semi-seniors supervision, BUT
- Email me with your online sheet copy link and it must have
 Each row should have: code link, time details, problem level, category and comment per a problem
- I will review and decide
- Side note: If you started in Div2-C1 and solved first 15 problems, you can share the sheet with me to follow your updates

Q) can't access the sheet in edit mode?

- Don't download the sheet, Work over it online "better"
- Can't edit it? Because it is read-only. Read below notes.
 Just make a copy to your google driver
 Then work over it online. Following are the details

- Login to ur google Gmail
- Go to my sheet In the sheet click on 'file' menu
- select Make copy
- it will create copy for u
- RENAME it to Junior Training Sheet Now the copied sheet is opened for you (or go inside ur Google drive and you will find it)

NOTE: If u did so and still read-only format, then you are again opening my sheet (e.g. with old name), NOT your copy

Q) What to write in the category column?

The algorithm used to solve a problem. In Div2-A, this might be:

- Implementation: Means the problem request is almost direct, just code it
 Brute Force: Means instead of finding elegant solution, try all possible solutions (e.g. 3 nested loops) and select the solution
 Ad-hoc: Just per-problem thinking in a special way/analysis on how to solve the problem

In later sheets, you will know many algorithms such as Dijkstra, DP, MST, etc

Q) Are problems really sorted based on easiness? I don't feel so.

They are sorted by easiness already. But, whatever order, anyone will find some are easy and some are hard in some order.

That is, no one can give you a list that every problem for YOU is easier than the next problem.

In other words, If we gave 100 problems to 10 students of same level to solve and told them rank from easy to hard, they will rank them differently.

So, questions ordered by people average. The promise is, the problems will be within your range to solve.

Q) What are these problems colors?

See "Problems Colors" notes in info page

Q) Are the problems sorted?

Yes, but this is tricky as sorting is subjective.
That is imagine 10 prblems given for 100 people to order based on its level, people will arrange in different ways based on their experience

So if you felt they are not sorted, just keep going

Q) Why problem-solving is that important?

See the first 2 videos here: https://www.youtube.com/playlist?list=PLPt2dINI2MIaNcU070HIAO8JWYBcafuyG

Q) I feel bored when solving problems compare to doing projects?

https://ask.fm/mostafasaad87/answers/145333554402

Q) I would like to **freeze** my study for 1-2 years to be good in problem-solving?

I never liked that. Graduate on time. In your free times and vacations do more problem solving

Relevant: https://ask.fm/mostafasaad87/answers/145151822818

Q) Topics based-training vs your sheet style?

In topics training, we study a topic, then solve a lot of problems over it.

Advantages:
- Mastering the algorithm till solving some hard problems in short time

- Discovering the algorithm behind the problem is an important skill. Given that you know the topic, you lose a good space to improve this skill Being in the mode of specific algorithm lets you solve many of it easier. However, when solving in real contests, your mind is not so active on specific topic

- You solve 3-5 per topic. Then you have to discover the other problems by yourself. So you train to avoid the missing 2 points

Although topics training let guys be so good early, they level stuck early and they don't improve. Seems to me, topics training is an important factor in doing so. Meanwhile, if you just target to be good in Div2D level in shorter time and no interest in further competitions achievments, you may go topics based.

This is just my opinion and might be wrong

Problem Name	Problem Code	Status		Reading Time(m)		Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	1-2 line Comments About your approach
	AC Averages =>	3	2.3	5	13	15	18	50	2	2	2	2
												Solution in mind is O(n^2): for each pair of points, get the equation of the straight line linking between them, and add 2 to its count. Print the count of the line having the max count. Problem is how to hash a line equation (coefficients are double).
Sample Name1	Sample Link1	AC	5	4	8	6	32	50	2	Yes	Math	My Performance Notes: This is so bad performance. Needed many submissions per problem. Always submit as if you are in real contest. Submit to AC, not to see if we will pass or not. Target AC from 1st submission. Think more before submission.
												I had to check the editorial
Sample Name2	Sample Link2	AC	1	5	10	35	20	70	2	No	Impl	My Performance Notes: This is so bad performance. He thought for little time and continued thinking while coding. As a result, much debug time too. RULE: Think More, Code Faster
												Please always write and study your timings.
Sample Name3	Sample Link3	AC	1	5	20	4	1	30	2	Yes	Graph	My Performance Notes: This is so good performance. 1st submission. Thinking is the higher. Code/Debug is so low. By time, thinking column will be improved. Other Status values: AC, WA, CS, TLE, MLE, RTE
Sample Name4		WA	5	4	25	20	2	51	7		Math	These values and comments are just examples. Just remove/ignore them.
Sample Name5	Sample Link5	CS	6	5	30	25	31	91	9			Want c++ solution for UVA 408? Google with: UVA 408 filetype:cpp
								0				Watch - Approaching Problem Statement
								0				Watch - Thinking - On papers Not on PC
Vanya and Fend								0				C++ Solution Example
Anton and Dani	<u>CF734-DZ-A</u>							0				This is from Round 379. Here is the editorial You shouldn't watch a solution video unless you can't solve it by yourself and don't get it from
D 10: D	05704 00 4											editorial/code. Videos are there just to for extra help.
Bear and Big Br Team	CF791-D2-A CF231-D2-A							0				<u>Video Solution - Eng Youssef El Ghareeb</u> <u>Video Solution - Eng Youssef Ali</u>
Beautiful Matrix								0				Video Solution - Eng Samed Hajaila
Gravity Flip	CF405-D2-A							0				Video Solution - Eng John Gamal
Petya and String								0				<u>Video Solution - Solver to be (Java)</u>
-	CF236-D2-A							0				Video Solution - Solver to be (Java) Video Solution - Solver to be (Java)
Word Capitaliza	CF59-D2-A CF281-D2-A							0				Video Solution - Solver to be (Java) Video Solution - Solver to be (Java)
								0				
Magnets	CF344-D2-A							0				Video Solution - Solver to be (Java)
Sereja and Dim								0				Video Solution - Solver to be (Java)
Stones on the T Police Recruits								0				Video Solution - Eng Ahmead Raafat (Python) Video Solution - Eng Ahmead Raafat (Python)
Black Square								0				Video Solution - Eng Ahmead Raafat (Python)
Night at the Mus								0				Video Solution - Eng Yahia Ashraf
	CF268-D2-A							0				Video Solution - Eng Yahia Ashraf
	CF732-D2-A							0				Video Solution - Eng Yahia Ashraf
Is your horsesh Colorful Stones								0				Video Solution - Eng Ahmead Raafat (Python) Video Solution - Eng Ahmead Raafat (Python)
								0				Watch - Measuring Algorithms Perfromance - 1
Die Roll	CF9-D2-A							0				Watch - Elementary Math - Introduction
Shaass and Osl								0				<u>Video Solution - Eng Muntaser Abukadeja</u> <u>Video Solution - Eng Mostafa Saad</u>
	CF709-D2-A							0				Video Solution - Solver to be (Java)
Carrot Cakes	CF799-D2-A							0				Video Solution - Solver to be (Java)
Anton and Lette								0				Video Solution - Solver to be (Java)
Way Too Long \ Free Ice Cream								0				Video Solution - Solver to be (Java) Video Solution - Solver to be (Java)
Helpful Maths								0				Video Solution - Solver to be (Java)
Team Olympiad	CF490-D2-A							0				Video Solution - Eng Muntaser Abukadeja
New Password	CF770-D2-A							0				<u>Video Solution - Solver to be (Java)</u>
								0				Watch - Number Theory - Modular Arithmatic
								0				Watch - Combinatorics - Counting Principles
Light, more light								0				Video Solution - Eng Amr Saud
	UVA 10106							0				Video Solution - Eng Youssef El Ghareeb. Don't solve using big integer
Uniform Genera Black and white								0				Video Solution - Eng Yahia Ashraf Video Solution - Eng Amr Saud
	SPOJ EASYMATI	ŀ						0				Sol
	UVA 12148											Learn Calender Leap Year
Danes !	OE400 DO :							0				Notice Ontolling For About Defeat (C. (C.)
	CF136-D2-A CF567-D2-A							0				Video Solution - Eng Ahmed Rafaat (Python) Video Solution - Eng Ahmed Rafaat (Python)
Mahmoud and L								0				Video Solution - Solver to be (Java)
	CF767-D2-A							0				Video Solution - Solver to be (Java)
Oath of the Nigh								0				Video Solution - Solver to be (Java)
	CF158-D12-A CF282-D2-A							0				Video Solution - Solver to be (Java) Video Solution - Solver to be (Java)
Young Physicist								0				Video Solution - Solver to be (Java) Video Solution - Solver to be (Java)
	CF520-D2-A							0				Video Solution - Solver to be (Java)
	CF160-D2-A							0				Video Solution - Solver to be (Java)
Keyboard	<u>CF474-D2-A</u>							0				Video Solution - Solver to be (Java)
								0				Watch - Graph Theory - Intro
								0				Watch - Graph Theory - DFS
The Seasonal V								0				Video Solution - Eng Mohamed Nasser
	UVA 10452							0				Video Solution - Eng Ayman Salah
Battleships Forming Teams	UVA 11953 CF216-D2-B							0				Video Solution - Eng Aya Elymany Video Solution - Eng Mostafa Saad
	SPOJ MAKETREI	E						0				Video Solution - Eng Mostara Saag Video Solution - Eng Yahia Ashraf
Ordering Tasks								0				Video Solution - Eng Yahia Ashraf
								0				
Even Odds	CF318-D2-A							0				<u>Video Solution - Eng Muntaser Abukadeja</u>

Droblem Name	Problem Code	Status	Submit	Reading	Thinking	Coding	Debug	Total	Problem	Ву	Catagony	1-2 line Comments
. Toblem Ivairie			Count	Time(m)	Time(m)	Time(m)	Time(m)	Time(m)	Level /10	yourself?		About your approach
I Wanna Be the	AC Averages =>	3	2.3	5	13	15	18	50 0	2	2	2	2 Video Solution - Solver to be (Java)
Is it rated?	CF807-D2-A							0				Video Solution - Solver to be (Java) Video Solution - Solver to be (Java)
Olesya and Ro								0				Video Solution - Solver to be (Java)
String Task	CF118-D2-A							0				Video Solution - Solver to be (Java)
Translation	<u>CF41-D2-A</u>							0				<u>Video Solution - Solver to be (Java)</u>
Case of the Ze								0				<u>Video Solution - Solver to be (Java)</u>
Football	<u>CF43-D2-A</u>							0				<u>Video Solution - Solver to be (Java)</u>
Brain's Photos								0				Video Solution - Solver to be (Java)
Dubstep	CF208-D2-A							0				Video Solution - Solver to be (Java)
								0				Watch - Computational Geometry - Intro
								0				Watch - Computational Geometry - Point and Vector
Wasted Time	CF127-D2-A							0				
Points in Figure	UVA 476							0				
Overlapping Re	UVA 460							0				Video Solution - Eng Muntaser Abukadeja
Fancy Fence								0				<u>Video Solution - Eng Omar Ashraf</u>
Pouring Rain								0				
Fourth Point !!	UVA 10242							0				Video Solution - Eng Magdy Hasan
Valoro and V	CE404 D2 A							0				Video Colution Column to be / Java
Valera and X Arpa's hard exa								0				Video Solution - Solver to be (Java) Video Solution - Solver to be (Java)
Calculating Fur								0				Video Solution - Solver to be (Java)
Theatre Square								0				Video Solution - Solver to be (Java)
Anton and Poly								0				Video Solution - Solver to be (Java)
Panoramix's Pr	CF80-D2-A							0				Video Solution - Solver to be (Java)
Counterexample								0				Video Solution - Solver to be (Java)
Good Number								0				Video Solution - Eng.Muntaser Abukadeja
Dice Tower	CF225-D2-A							0				Video Solution - Eng Muntaser Abukadeja
Alyona and Nu	UF082-D2-A							0				Video Solution - Eng John Gamal
Mountain Scen	€ CF218-D2-A							0				Video Solution - Eng John Gamal
Help Vasilisa th								0				Video Solution - Eng John Gamal
Chewbacca an								0				Video Solution - Eng Muntaser Abukadeja
Ksenia and Par	n <u>CF382-D2-A</u>							0				Video Solution - Eng Samed Hajajla
Launch of Colli	c <u>CF699-D2-A</u>							0				Video Solution - Eng Samed Hajajla
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Pipeline Aggressive cov Left-handers, F George and Ac Vasya the Hips Fox And Snake The New Year: Elephant Greg's Workou Ultra-Fast Math Little Pony and One-dimension Soldier and Bai Bus to Udaylan Cookies Second Order Nearly Lucky N Playing with Dio A Good Contess Beautiful Year Far Relative's E Mashmokh and Triangular num Coyarmy Levko and Tab Cards Wizards' Duel Combination LC Summer Camp Soft Drinking	CF287-D2-B CF950-D2-A			Optiona	al Problems			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If you can't sorted too.	solve 60% c	f above prof	Video Solution - Eng Ayman Salah Video Solution - Eng Mostafa Saad Video Solution - Eng Mostafa Saad Video Solution - Eng Youssef El Ghareeb Before moving to another sheet, email me with feedback about these problems selection. Diems or need around 2+ hours per problem, then solve "some" of the following problems. They are Video Solution - Eng Hossam Yehia
Pipeline Aggressive cov Left-handers, F. George and Ac Vasya the Hips Fox And Snake The New Year: Elephant Greg's Workou Ultra-Fast Matr Little Pony and One-dimension One-dimension Soldier and Bai Bus to Udaylan Cookies Second Order S Nearly Lucky N Playing with Dii A Good Contes Beautiful Year Far Relative's I Mashmokh anc Triangular num Lovid Toy Army Lovko and Tab Cards Wizards' Duel Combination Lu Summer Camp Soft Drinking Coder GukiZ and Con	CF287-D2-B v SPOJ AGGRCOV CF467-D2-A cCF467-D2-A cCF467-D2-A cCF59-D2-A cCF129-D2-A cCF129-D2-A cCF11-D2-A cCF129-D2-A cCF11-D2-A			Options	al Problems			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If you can't sorted too.	solve 60% c	of above prof	Video Solution - Eng Ayman Salah Video Solution - Eng Mostafa Saad Video Solution - Eng Mostafa Saad Video Solution - Eng Youssef El Ghareeb Before moving to another sheet, email me with feedback about these problems selection. Diems or need around 2+ hours per problem, then solve "some" of the following problems. They are Video Solution - Eng Hossam Yehia
Pipeline Aggressive cov Left-handers, F. George and Ac Vasya the Hips Fox And Snake The New Year: Elephant Greg's Workou Ultra-Fast Matt Little Pony and One-dimension Soldier and Bai Bus to Udaylan Cookies Second Order Second Order Second Order Nearly Lucky N Playing with Di A Good Contes Beautiful Year Far Relative's E Mashmokh and Triangular num Roma and Lucl Toy Army Levko and Tab Cards Wizards' Duel Combination Le Summer Camp Soft Drinking Coder	CF287-D2-B CF287-D2-B CF287-D2-A CF467-D2-A CF467-D2-A CF510-D2-A CF510-D2-A CF510-D2-A CF510-D2-A CF617-D2-A CF617-D2-A CF617-D2-A CF617-D2-A CF617-D2-A CF617-D2-A CF721-D2-A			Options	al Problems			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If you can't sorted too.	solve 60% c	of above prot	Video Solution - Eng Ayman Salah Video Solution - Eng Mostafa Saad Video Solution - Eng Youssef El Ghareeb Before moving to another sheet, email me with feedback about these problems selection. Diems or need around 2+ hours per problem, then solve "some" of the following problems. They are Video Solution - Eng Hossam Yehia

Problem Name	Problem Code	Status	Submit	Reading	Thinking	Coding	Debug	Total	Problem Level /10	Ву	Category	1-2 line Comments About your approach
	AC Averages =>		Count 2.3	1 ime(m)	Time(m)	Time(m)	Time(m)	50	Level /10	yourself?		About your approach 2
Choosing Team		-	2.0	J	10	10	10	0				_
Vanya and Cub								0				
Insomnia cure								0				
	CF330-D2-A							0				
	CF16-D2-A							0				
	CF248-D2-A CF363-D2-A							0				
Oorobari	<u>01 300 D2 A</u>							0				
Amusing Joke	CF141-D2-A							0				
	CF275-D2-A							0				
	CF276-D2-A							0				
Duff and Meat								0				
Vanya and Card Squats	CF401-D2-A CF424-D2-A							0				
Arrival of the Ge								0				
	CF63-D2-A							0				
LLPS	CF202-D2-A							0				
Candy Bags	CF334-D2-A							0				
								0				
Game With Stic								0				
Vasya and Soci Dima and Frien								0				
Nicholas and Pe								0				
	CF545-D2-A							0				
DZY Loves Has	CF447-D2-A							0				
	<u>CF133-D2-A</u>							0				
	CF670-D2-A							0				
Dividing Orange Haiku	CF244-D2-A CF78-D2-A							0				
. raind	SI IS-DZ-M							0				
System of Equa	CF214-D2-A							0				
IQ test	CF25-D2-A							0				
	CF501-D2-A							0				
Restoring Pass								0				
Valera and Plat								0				
Minimum Difficu Little Elephant a								0				
Collecting Beats								0				
	CF14-D2-A							0				
Kefa and First S	CF580-D2-A							0				
								0				
Ilya and Bank A Uncowed Force								0				
Reconnaissanc								0				
	CF146-D2-A							0				
Chat room	CF58-D2-A							0				
George and Sle								0				
Ostap and Gras								0				
The number of particular Table	CF124-D2-A CF359-D2-A							0				
Tavas and Nafa								0				
								0				
Watermelon	CF4-D2-A							0				
Let's Watch Foo								0				
Initial Bet Saitama Destro	CF478-D2-A							0				
Queue on Bus S								0				
Bicycle Chain								0				
Little Elephant a								0				
Amr and Music								0				
	CF152-D2-A							0				
Postcards and p	<u>CF137-D2-A</u>							0				
Business trip	CF149-D2 A							0				
Drazil and Date								0				
Multiplication Ta								0				
Exam	CF534-D2-A							0				
Alena's Schedu								0				
	CF631-D2-A							0				
Lucky Division Appleman and I								0				
Vasya and Digit								0				
Parallelepiped								0				
, ,								0				
Group of Stude								0				
	CF651-D2-A							0				
	CF300-D2-A							0				
Round House								0				
Lala Land and A Autocomplete								0				
Digital Counter								0				
Vitaliy and Pie								0				
Life Without Zer								0				

	Problem Code	Status	Submit Count	Reading Time(m)	Thinking Time(m)	Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	1-2 line Comments About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
								0				Watch - Thinking - Problem Simplification
								0				Watch - Thinking - Brainstorm - Rank - Approach
								0				Watch - Combinatorics - Permutations and Combinations - 1
	05740 D0 D							0				Watch - Combinatorics - Permutations and Combinations - 2
Decoding Petya and Country	CF746-D2-B							0				Video Solution - Solver to be (Java) Video Solution - Eng Muntaser Abukadeja
Bear and Finding (0				Video Solution - Eng Muntaser Abukadeja Video Solution - Eng Muntaser Abukadeja
Burglar and Match								0				Video Solution - Eng Muntaser Abukadeja Video Solution - Eng Muntaser Abukadeja
Caisa and Pylons								0				Video Solution - Eng Muntaser Abukadeja
Sum of Digits	CF102-D2-B							0				Video Solution - Eng Muntaser Abukadeja
Coins	CF47-D2-B							0				Video Solution - Eng Samed Hajajla
Vanya and Lantern	CF492-D2-B							0				Video Solution - Solver to be (Java)
Effective Approach								0				Video Solution - Eng Abanob Ashraf
Easter Eggs	CF78-D2-B							0				<u>Video Solution - Eng Abanob Ashraf</u>
								0				Watch - Training-Secrets of Success
Big Mod	LD/A 274							0				Watch - Number Theory - Fib, GCD, LCM, Pow
Euclid's Game	UVA 374 UVA 10368							0				Video Solution - Eng Moaz Rashad
Combinations	UVA 369							0				VIGEO GOIGHOTT EIN MOZETRASHAG
Pi	UVA 412							0				Video Solution - Eng Mohamed Adel
Adding Reversed N	UVA 713							0				Don't use big integer class. Write simple array computations
Taxi	<u>TIMUS 1607</u>							0				Can you get AC first submission?
The Drunk Jailer	LIVEARCHIVE 25	i.						0				Find a formula
								0				Watch - Prefix Sum
Kuriyama Mirai's S								0				
	SPOJ CSUMQ							0				
President's Office	UVA 983 CF6-D2-B							0				Video Solution - Eng Muntaser Abukadeja
Fence	CF363-D2-B							0				Video Solution - Eng Muntaser Abukadeja Video Solution - Eng Muntaser Abukadeja
Lovely Palindrome								0				Video Solution - Solver to be (Java)
Sort the Array	CF451-D2-B							0				Video Solution - Solver to be (Java)
Devu, the Dumb G								0				Video Solution - Solver to be (Java)
Summer sell-off	CF810-D2-B							0				Video Solution - Solver to be (Java)
Colorful Field	CF79-D12-B							0				Video Solution - Solver to be (Java)
Keyboard	<u>CF88-D2-B</u>							0				Video Solution - Eng Muntaser Abukadeja
Mahmoud and a Ti								0				Video Solution - Solver to be (Java)
Find The Bone	CF796-D2-B							0				Video Solution - Solver to be (Java)
								0				Watch - Graph Theory - BFS
Tic-Tac-Toe (1)	SPOJ TOE1							0				Video Solution - Eng Ayman Salah
Tic-Tac-Toe (II)	SPOJ TOE2							0				Video Solution - Eng Essam AlNaggar
Knight Moves	UVA 439							0				Video Solution - Eng Magdy Hasan
King's Path	CF242-D2-C							0				Video Solution - Eng Mostafa Saad
Bookworm	TIMUS 1638							0				Can you get AC first submission
	UVA 10461							0				
								0				
Students and Shoe								0				<u>Video Solution - Eng Abanob Ashraf</u>
Dreamoon and Wil								0				Video Solution - Eng Mohamed Adel
Chat Online Olympic Medal	<u>CF469-D2-B</u> CF215-D2-B							0				Video Solution - Eng Mohamed Adel Video Solution - Eng Ahmed Salah
Filya and Homewo								0				Video Solution - Eng Muntaser Abukadeja
Inna and New Mate								0				Video Solution - Eng Mohamed Salah
Steps	CF152-D2-B							0				Video Solution - Eng Muntaser Abukadeja
Growing Mushroon								0				Video Solution - Eng Mohamed Salah
Regular Bracket Se	CF26-D12-B							0				Video Solution - Solver to be (Java)
Escape	CF148-D2-B							0				
								0				Watch - Intro to DP - 1
., ,	05005 5 5							0				Watch - Intro to DP - 2
Vacations	CF699-D2-C							0				
Woodcutters	CF545-D2-C							0				
Divisibility by Eight Barcode	CF225-D2-C							0				Video Solution - Eng Mostafa Saad
Continents	UVA 11094							0				Video Solution - Eng Ayman Salah
Brownie Points	UVA 10865							0				Video Solution - Eng Magdy Hasan
Hanoi Tower	TIMUS 1054							0				Sol
								0				
Roma and Changir	CF262-D2-B							0				Video Solution - Eng Mohamed Salah
Bear and Strings								0				Video Solution - Eng Mohamed Salah
I.O.U.	<u>CF376-D2-B</u>							0				Video Solution - Eng Abanob Ashraf
	CF352-D2-B							0				<u>Video Solution - Eng Muntaser Abukadeja</u>
Meeting	CF144-D2-B							0				Video Solution - Eng Muntaser Abukadeja
Chocolate	CF617-D2-B							0				Video Solution - Eng Yahia Ashraf
Easy Number Chall Han Solo and Laze								0				Video Solution - Eng Yahia Ashraf
Physics Practical								0				Video Solution - Eng Mohamed Salah
Two Buttons	CF520-D2-B							0				Video Solution - Solver to be (Java)
								0				
								0				Watch - Computational Geometry - Complex Number and 2D Point
								0				Watch - Computational Geometry - Lines and Distances
Intersecting Lines								0				
The Stern-Brocot N								0				
Mr. Kitayuta's Colo	CF505-D2-B							0				Video Solution - Eng Muntaser Abukadeja
E 5	05054 5 5							0				
Fox Dividing Chees								0				Video Solution - Eng Abanob Ashraf
DZY Loves Chemis								0				Video Solution Eng Vahia Ashraf
Kolya and Tanya	UF584-D2-B							U				Video Solution - Eng Yahia Ashraf

	Problem Code	Status	Submit	Reading	Thinking	Coding	Debug	Total	Problem	Ву	Category	1-2 line Comments
				Time(m)		Time(m)	Time(m)			yourself?		About your approach
	AC Averages => CF448-D2-B	0	0	0	0	0	0	0	0	0	0	0 Video Solution - Eng Mohamed Salah
Complete the Word								0				Video Solution - Eng Mohamed Salah
	CF716-D2-B CF544-D2-B							0				Video Solution - Eng Mohamed Salah Video Solution - Eng Mohamed Salah
	CF141-D2-B							0				Video Solution - Eng Worlamed Salah
Valera and Contes								0				
Bear and Friendshi								0				Video Solution - SolverToBe (Java)
Preparing Olympi								0				Video Solution - SolverToBe (Java)
								0				
								0				Watch - Focused and Diffused Thinking
								0				Watch - Graph Theory - MST - Kruskal
Highways	UVA 10147							0				Video Solution - Eng Mahmoud Adel
ACM contest and E	UVA 10600							0				Video Solution - Eng Moaz Rashad
Virtual Friends	UVA 11503							0				Video Solution - Eng Moaz Rashad
Arctic Network	UVA 10369							0				
Trees on the level	UVA 122							0				Video Solution - SolverToBe (Java)
Rankings	<u>UVA 12263</u>							0				Editorial to read
Final Standings	TIMUS 1100							0				Stable sort exercise
Farm	TIMUS 1349							0				Learn Fermat's Last Theorem
								0				
Mashmokh and To	CF415-D2-B							0				Video Solution - Eng Salma Yehia
Approximating a C								0				
	<u>CF614-D2-B</u>							0				
	<u>CF486-D2-B</u>							0				
Fox And Two Dots								0				<u>Video Solution - Eng Mohamed Adel</u>
Routine Problem								0				<u>Video Solution - Eng Mohamed Adel</u>
Vasya and Wrestlin								0				
Hamming Distance								0				Therefore to Fore Maharana Maharin
Wet Shark and Bis								0				Thanks to Eng Mahmoud Mabrok Video Solution SolverToRe (Java)
Kefa and Company								0				Video Solution - SolverToBe (Java) Video Solution - Eng Abanch Ashraf
Tavas and SaDDas Treasure Hunt								0				Video Solution - Eng Abanob Ashraf
	CF979-D2-B							0				
Minimum Ternary 5	CF1009-D12-B CF101864-GYM-N							0				
	CF 10 1004-G 1 W-N							0				
								0				Watch - Intro to Greedy
Painting Eggs	CF282-D2-B							0				Tracer - Intro to Greeky
. diriting Eggo								0				Video Solution - Eng Hossam Yehia
Pasha Maximizes								0				Video Solution - Eng Hossam Yehia
Pasha Maximizes Little Girl and Gam	CF276-D2-B							0				Video Solution - Eng Hossam Yehia
Little Girl and Gam												
Little Girl and Gam Pasha and String	CF525-D2-B							0				
Little Girl and Gam	<u>CF525-D2-B</u> <u>CF416-D2-C</u>							0				
Little Girl and Gam Pasha and String Booking System	CF525-D2-B CF416-D2-C CF492-D2-C											
Little Girl and Gam Pasha and String Booking System Vanya and Exams	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105							0				Video Solution - Eng Mahmoud Adel
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 10276							0				Video Solution - Eng Mahmoud Adel Video Solution - Eng Mahmoud Adel
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 10276							0 0 0 0				Video Solution - Eng Mahmoud Adel
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 10276 UVA 784							0 0 0				-
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 10276 UVA 784							0 0 0 0	francos,	ooke 60% o	f shows and	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 10276 UVA 784			Optiona	al Problems			0 0 0 0	If you can't		of above prol	<u>Video Solution - Eng Mahmoud Adel</u>
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 10276 UVA 784			Optiona	al Problems	3		0 0 0 0 0 0			of above prol	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 10276 UVA 784			Optiona	al Problems	S		0 0 0 0 0 0			of above prol	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 1076 UVA 1174			Optiona	al Problems	S		0 0 0 0 0 0			of above prod	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 105 UVA 1076 UVA 1174			Optiona	al Problems	3		0 0 0 0 0 0 0			of above prob	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 105 UVA 1076 UVA 784 UVA 1174 CF465-D2-B CF672-D2-B CF137-D2-B			Optiona	al Problems	5		0 0 0 0 0 0 0			of above prod	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV Inbox (100500) Different is Good Permutation Little Elephant and	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 105 UVA 1076 UVA 784 UVA 1174 CF465-D2-B CF672-D2-B CF137-D2-B			Optiona	al Problems	3		0 0 0 0 0 0 0			of above prod	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV Inbox (100500) Different is Good Permutation Little Elephant and Airport Cormen The Be	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 105 UVA 105 UVA 1174 CF465-D2-B CF672-D2-B CF137-D2-B CF218-D2-B CF218-D2-B CF218-D2-B CF218-D2-B CF218-D2-B			Optiona	al Problems	5		0 0 0 0 0 0 0 0 0 0 0 0 0			of above prof	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV Inbox (100500) Different is Good Permutation Little Elephant and Airport Cormen The Be Prison Transfer	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 105 UVA 105 UVA 105 UVA 1174 CF465-D2-B CF672-D2-B CF137-D2-B CF259-D2-B CF259-D2-B CF132-D2-B			Optiona	al Problems			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			of above protection	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV Inbox (100500) Different is Good Permutation Little Elephant and Airport Cormen The Be Prison Transfer A and B and Comp	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 105 UVA 105 UVA 1076 UVA 1174 CF465-D2-B CF672-D2-B CF137-D2-B CF218-D2-B CF218-D2-B CF218-D2-B CF218-D2-B CF219-D2-B CF219-D2-B CF219-D2-B CF219-D2-B CF219-D2-B CF319-D2-B CF319-D2-B CF319-D2-B CF319-D2-B			Optiona	al Problems	3		0 0 0 0 0 0 0 0 0 0 0 0 0 0			f above prol	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV Inbox (100500) Different is Good Permutation Little Elephant and Airport Cormen The Be Prison Transfer A and B and Comp Letter	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 105 UVA 1076 UVA 1174 CF465-D2-B CF617-D2-B CF137-D2-B CF259-D2-B CF132-D2-B CF332-D2-B CF332-D2-B CF432-D2-B CF432-D2-B CF432-D2-B			Options	al Problems	3		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			of above prot	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
Little Girl and Gam Pasha and String Booking System Vanya and Exams The Skyline Proble Hanoi Tower Trout Maze Exploration IP-TV Inbox (100500) Different is Good Permutation Little Elephant and Airport Cormen The Be Prison Transfer A and B and Comp	CF525-D2-B CF416-D2-C CF492-D2-C UVA 105 UVA 105 UVA 1076 UVA 1174 CF465-D2-B CF617-D2-B CF137-D2-B CF259-D2-B CF132-D2-B CF332-D2-B CF332-D2-B CF432-D2-B CF432-D2-B CF432-D2-B			Options	al Problems	3		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			of above prof	Video Solution - Eng Mahmoud Adel Before moving to another sheet, email me with feedback about these problems selection.
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	Problem Code	Status	Submit Count	Reading Time(m)	Thinking Time(m)	Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	1-2 line Comments About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
Spider Man	CF705-D2-B							0				
Little Robber Girl's	CF686-D2-B							0				
Unary	CF133-D2-B							0				
Canvas Frames	CF127-D2-B							0				
Ohana Cleans Up	CF554-D2-B							0				
Garland	CF408-D2-B							0				
Petya and Staircas	CF362-D2-B							0				
Equidistant String	CF545-D2-B							0				
Vanya and Food P	CF677-D2-B							0				
Calendar	CF304-D2-B							0				
Amr and Pins	CF507-D2-B							0				
Polo the Penguin a	CF289-D2-B							0				
								0				
George and Round	CF387-D2-B							0				
Alyona and flowers	CF740-D2-B							0				
Urbanization	CF735-D2-B							0				
Testing Pants for S	CF104-D2-B							0				
Cells Not Under At	CF701-D2-B							0				
Vanya and Books	CF552-D2-B							0				
Worms	CF474-D2-B							0				
Fortune Telling	CF59-D2-B							0				
								0				
Walking in the Rain	CF192-D2-B							0				
Dima and To-do Li	CF366-D2-B							0				
Sail	CF298-D2-B							0				
Fox and Cross	CF389-D2-B							0				
Rebranding	CF591-D2-B							0				
Increase and Decr	CF246-D2-B							0				
Alyona and Mex	CF682-D2-B							0				
Coins	CF58-D2-B							0				
Berland National L	CF567-D2-B							0				
Art Union	CF416-D2-B							0				
								0				
BerSU Ball	CF489-D2-B							0				
Random Teams	CF478-D2-B							0				
Friends	CF94-D2-B							0				
War of the Corpora	CF625-D2-B							0				
Road Construction	CF330-D2-B							0				
Binary Number	CF92-D2-B							0				
Before an Exam	CF4-D2-B							0				
Running Student	CF9-D2-B							0				
Anton and currenc								0				
Phone Numbers								0				

			Submit	Dooding	Thinking	Coding	Debug	Total	Problem	Ву		1-2 line Comments
Problem Name	Problem Code	Status	Count	Time(m)	Time(m)	Time(m)	Time(m)	Time(m)	Level /10	yourself?	Category	About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
Drazil and Factoria	CF515-D2-C							0				<u>Video Solution - Eng Mostafa Saad</u>
Sagheer and Nubia	CF812-D2-C							0				Video Solution - Solver to be (Java)
Lucky Permutation	CF304-D2-C							0				
Soldier and Cards	CF546-D2-C							0				
Watchmen	CF651-D2-C							0				
Ilya and Matrix	CF313-D2-C							0				
								0				
								0				Watch - Thinking - Concretely - Symbolically - Pictorially
								0				Watch - Thinking - Problem Constraints
								0				Watch - Number Theory - Primes
Fox Dividing Chees	CE371-D2-B							0				
Duff in Love	CF588-D2-B							0				
Twin Primes	UVA 10394							0				
Summation of Four								0				Video Solution - Eng Moaz Rashad
								0				
	UVA 10325							0				<u>Sol</u>
	UVA 10717											Sol
BITMAP - Bitmap								0				
Key Task	SPOJ CERC07K							0				
	UVA 10491							0				Revise Probability
	UVA 12952							0				
	CODECHEF GCDM							0				Sol. Learnint128
	UVA 10843							0				Theory result to read
The Child and Set	<u>CF437-D2-B</u>							0				
Tanya and Postcar	CF518-D2-B							0				
Mike and Fun								0				
								0				
Greg and Array	CF296-D2-C							0				
Learning Language								0				
Beautiful Sets of Po								0				
	CF746-D2-C							0				
The World is a The								0				Video Solution - Eng Youssef Ali
	CF88-D2-C							0				Video Solution - Solver to be (Java)
Semifinals	CF378-D2-B							0				VIGES CONTROL TO DE (OUVE)
	CF479-D2-B							0				
	CF560-D2-B							0				
Geraid is lifto Art	<u>CI 300-D2-B</u>							0				Watch - Algebra - Number Bases and Polynomials
T- 0	LD (A 40400							0				
To Carry or not to 0												Sol
Beat the Spread!								0				
Summation of Poly								0				
Polly the Polynomia								0				
	<u>UVA 11053</u>							0				Find O(n) Solution
								0				Watch - Algebra - Patterns in Sequences
Odd Sum	UVA 10783							0				
R U Kidding Mr. Fe								0				
	SPOJ CLEANRBT							0				
Wandering Queen								0				Sol to read
Spreadsheet	UVA 196							0				
	HACKR sherlock-an							0				<u>Sol</u>
	SRM502-D2-500							0				
ACM contest and B	UVA 10600							0				<u>Video Solution - Eng Moaz Rashad</u>
								0				Watch - Algebra - Summations
								0				Watch - Algebra - Basic Matrix Operations
Little Girl and Maxir	CF276-D2-C							0				
Searching for Grap	CF402-D2-C							0				
Sereja and Algorith	CF368-D2-C							0				
	CF570-D2-C							0				
Flying Saucer Segr	CF227-D2-C							0				
Vasya and Petya's								0				
Round Table Knigh	CF71-D2-C							0				
	CF580-D2-C							0				Video Solution - Solver to be (Java)
	CF71-D2-B							0				· -
Special Offer! Supe								0				
	CF254-D2-B							0				
								0				Watch - Thinking - Problem Abstraction
								0				Watch - Thinking - Problem Reverse
								0				Watch - Search Techniques - Backtracking
Graph Coloring	UVA 193							0				Video Solution - Eng Mostafa Saad
	UVA 193 UVA 10344							0				Video Solution - Eng Mohamed Nasser
8 Queens Chess P								0				Video Solution - Eng Ayman Salah
Assemble								0				
	UVA 12124							0				<u>Sol</u>
	SPOJ FUNPROB							0				Sol
Mania Ea	0E404 DC C											
_	CF424-D2-C							0				
Pythagorean Triple								0				
Gerald's Hexagon								0				
	CF252-D2-C							0				
	<u>CF353-D2-C</u>							0				
	<u>CF334-D2-C</u>							0				
Jzzhu and Sequend								0				
	<u>CF570-D2-B</u>							0				
Prime Matrix	CF271-D2-B							0				
								0				Watch - DP - Subset Style
Vacation	UVA 10192							0				Explained in the tutorial videos
Strategic Defense I	UVA 497							0				Explained in the tutorial videos
	UVA 562							0				Video Solution - Eng Ayman Salah
								0				Watch - DP - Consecutive Ranges Style

	Problem Code	Status	Submit	Reading	Thinking	Coding	Debug Time(m)	Total	Problem Level /10	By wourself?	Category	1-2 line Comments About your approach
	AC Averages =>	0	0	0	0	Time(m)	0	0	0	0	0	0
	SRM149-D1-500							0				
	SRM536-D2-1000							0				
The Blocks Problen								0				
	UVA 10036							0				0-1
	UVA 11628 UVa 11181							0				Sol Sol
	<u> </u>							0				
Rational Resistance	CF344-D2-C							0				
Appleman and Toa	CF462-D2-C							0				Sol
k-Multiple Free Set								0				
Little Pony and Exp								0				
Boredom Wizards and Trolle	CF456-D2-C							0				
Anya and Smartpho								0				
Polycarpus' Dice	CF534-D2-C							0				
	CF631-D2-B							0				
	CF257-D2-B							0				
T-primes	<u>CF230-D2-B</u>							0				Watch - DP - Nested Ranges Style
								0				Watch - DP - General Ranges Style
String to Palindrom	UVA 10739							0				Explained in the tutorial videos
Creating Palindrom	UVA 11753							0				Video Solution - Eng Aya Elymany
Again Palindrome								0				Sol to read
Exploring Pyramids								0				<u>Video Solution - Eng Ayman Salah</u>
Cutting Sticks Trouble of 13-Dots	UVA 10003							0				
Optimal Array Multi								0				Sol
Accordian Patience								0				Video Solution - Eng Moaz Rashad
	UVA 128							0				Video Solution - Eng Moaz Rashad
	ZOJ 1200							0				
								0				
	CF378-D2-C							0				
	CF705-D2-C CF706-D2-C							0				
	CF405-D2-C							0				
Palindrome Transfo								0				
Chain Reaction	CF608-D2-C							0				
Removing Columns								0				Video Solution - Eng Mostafa Saad
	CF499-D2-C							0				Video Solution - Eng Mostafa Saad
Queue Vika and Squares	CF490-D2-B							0				
	CF222-D2-B							0				
Oddinio rabioo	01_222_02_0							0				Watch - Thinking - Incrementally
								0				Watch - Thinking - Problem Domain re-interpretation
								0				Watch - Number Theory - Factorization
	UVA 583							0				
Count the factors Perfection	UVA 10699 UVA 382							0				
Mr. Azad and his S								0				Sol to read
Perfect P-th Powers								0				Video Solution - Eng Moaz Rashad
Code Refactoring	UVA 10879							0				
	UVA 516							0				
	UVA 10920							0				
	SRM274-D1-500							0				
Text Editor	CF253-D2-C							0				
Alternative Thinking								0				
Tennis Championsl	CF735-D2-C							0				
Guess Your Way O								0				<u>Video Solution - Eng Mostafa Saad</u>
Frames Alyona and the Tre	CF94-D2-C							0				
	CF84-D2-C							0				
Marina and Vasya								0				
Divide by Three	CF792-D2-C							0				Video Solution - Solver to be (Java)
Little Pigs and Wolv	<u>CF116-D2-B</u>							0				
	CF534-D2-B							0				
Facetook Priority W	<u>CF75-D2-B</u>							0				
How Many Points o	UVA 10790							0				Sol
	UVA 10685							0				and the second s
	UVA 10139							0				Sol to read
Fractions Again?!								0				Sol to read
Cut Ribbon	CF189-D2-A							0				Video Solution - Solver to be (Java)
								0				Watch Drobability First 9 videos
Cows and Cars	UVA 10491							0				Watch - Probability - First 9 videos Revise Probability
What is the Probab								0				Sol Sol
	UVA 10218							0				
Probability Given	UVA 11181							0				Sol
	UVA 11628							0				Sol
	UVA 12461							0				Sol to read
Airplane												
Airplane	HACKR tower-3-cold											Learn Fermat's little theorem
Airplane	HACKR tower-3-cold CF445-D2-C							0				Learn Fermats nittle theorem
Airplane	HACKR tower-3-cold							0				Learn Permat's little treorem Learn 0/1 BFS

Problem Name	Problem Code	Status	Submit Count	Reading Time(m)	Thinking Time(m)	Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	1-2 line Comments About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
Hacker, pack your	CF822-D2-C							0				Video Solution - Solver to be (Java)
The Meaningless C	CF834-D2-C							0				Video Solution - Solver to be (Java)
Star sky	CF835-D2-C							0				Video Solution - Solver to be (Java)
								0				Before moving to another sheet, email me with feedback about these problems selection.
								0				
				Optiona	al Problems			0	If you can't They are so		of above pro	blems or need around 2+ hours per problem, then solve "some" of the following problems.
D: D	05400 D0 0							0				
Diverse Permutation								0				
Replacement	CF136-D2-C							0				
Homework	CF102-D2-C											
Little Elephant and								0				
Developing Skills								0				
Maxim and Discou								0				
Fox and Box Accur								0				
Ice Skating	CF218-D2-C							0				
Valera and Tubes	CF441-D2-C							0				
Secret	CF271-D2-C							0				
								0				
They Are Everywh	CF701-D2-C							0				
Monitor	CF16-D2-C							0				
System Administra	CF22-D2-C							0				
Lucky Sum	CF122-D2-C							0				
NP-Hard Problem	CF688-D2-C							0				
Vladik and fraction	CF743-D2-C							0				
Case of Matryoshk	CF556-D2-C							0				
Vanya and Label								0				
Exams	CF479-D2-C							0				
								0				
Purification	CF330-D2-C							0				
Division into Team:								0				
Disposition	CF149-D2-C							0				
Mashmokh and Nu								0				
								0				
Statues	CF129-D2-C							0				
Inna and Huge Car												
Anagram Search								0				
Ilya and Sticks	<u>CF525-D2-C</u>							0				
Day at the Beach	CF599-D2-C							0				
								0				
The Child and Toy	CF437-D2-C							0				
Perfect Pair	CF318-D2-C							0				
Another Problem o	CF165-D2-C							0				
Socks	CF731-D2-C							0				
Valera and Election	CF369-D2-C							0				

Problem Name	Problem Code	Status	Submit	Reading Time(m)	Thinking Time(m)	Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	1-2 line Comments About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
	-							0				Watch - Thinking - Search Space and Output Analysis
								0				Watch - Thinking - Observations Discovery
								0				Watch - Game Theory - Intro
Win or Freeze	CF151-D2-C							0				Video Solution - Eng Mostafa Saad
Pyramids	SPOJ PIR							0				Sol
Power of Cryptograp	UVA 113							0				Sol to read
,, , ,	SRM458-D2-500							0				
Is There A Second V								0				
	SRM381-D2-1000							0				
	Oranico i BE 1000							0				
Modified GCD	CF75-D2-C							0				Video Solution - Eng Mostafa Saad
Alyona and mex	CF740-D2-C							0				Video Solution - Eng Mostafa Saad
Color Stripe	CF219-D2-C							0				VIGCO OSIGNOTI ETIN MOSIGIA OGAG
Hamburgers	CF371-D2-C							0				
Wet Shark and Flow								0				
Predict Outcome of								0				
								0				
MUH and House of												VCL 01.5 F W 160 1
Balls and Boxes	CF260-D2-C							0				Video Solution - Eng Mostafa Saad
Alice and Bob	CF347-D2-C							0				<u>Video Solution - Eng Mohamed Nasser</u>
Mahmoud and Ehab								0				<u>Video Solution - Eng Mohamed Salah</u>
Balls Game	CF430-D2-B							0				
Permutations	<u>CF124-D2-B</u>							0				
Magical Array	CF84-D2-B							0				
								0				Watch - Thinking - Misc - Solution Verification - Implementation
								0				Watch - Graph Theory - Dijkstra
Jugs	<u>UVA 571</u>							0				Video Solution - Eng Mostafa Saad
Sending email	UVA 10986							0				
Lift Hopping	UVA 10801							0				
Shopping	SPOJ SHOP							0				
Deciding victory in G								0				
Divisors	UVA 294							0				
Ordering	UVA 872							0				
War of 218	ZOJ 3295							0				
Wai 01 2 10	200 0290							0				
Bulls and Cows	CF63-D2-C							0				Sol .
Xor-tree								0				<u>Sol</u>
	CF430-D2-C											
	CF591-D2-C							0				
Coloring Trees	CF711-D2-C							0				<u>Video Solution - Solver to be</u>
Robbers' watch	CF686-D2-C							0				
	<u>CF202-D2-C</u>							0				
Malek Dance Club	CF320-D2-C							0				
Sereja and Swaps	CF426-D2-C							0				
	CF58-D2-C							0				
Sereja and Mirroring	<u>CF426-D2-B</u>							0				
Restoring Painting	CF675-D2-B							0				
Amr and The Large	<u>CF558-D2-B</u>							0				
								0				Watch - Computational Geometry - Lines Intersections
Gleaming the Cubes	<u>UVA 737</u>							0				Sol
Intersecting Line Se	UVA 866							0				Sol
								0				Watch - Computational Geometry - Circles
The Circumference	UVA 438							0				Sol
Points in Figures: Re	UVA 477							0				Sol
Square Pegs And Re								0				Sol to read
	UVA 453							0				Learn Handling Precisions
Divisibility of Factors								0				Sol to read
	SRM436-D2-500							0				
	CF975-D2-C							0				
								0				
Prime Permutation	CF124-D2-C							0				
Hometask	CF155-D2-C							0				
Terse princess	CF148-D2-C							0				Video Solution - Eng Mohamed Nasser
	CF148-D2-C CF490-D2-C							0				VIGCO CONDUM - EMY INIONAMICA NASSEL
								0				Video Colution For Mostofa Con-
Dreamoon and Sum								0				Video Solution - Eng Mostafa Saad
Try and Catch	CF195-D2-C											Editorial - Eng Ahmed Osama
Primes or Palindrom								0				
View Angle	CF257-D2-C							0				Editorial - Eng Ahmed Osama
Flag Day	<u>CF357-D2-B</u>							0				
Little Pony and Sort								0				
Two Tables	CF228-D2-B							0				
								0				Watch - Thinking - Error Inspection - History - Contest Strategy
								0				Watch - DP - Building Output
Unidirectional TSP	UVA 116							0				
	UVA 10453							0				Sol
Fast Food	UVA 662							0				
Palindromic Subseq								0				
Gone Fishing	UVA 757							0				Sol to read
	<u>CF199-D2-B</u>							0				
								0				Sol
Rings and Glue	UVA 10301											Sol Wetch, DR. Counting
								0				Watch - DP - Counting
k-Tree	CF431-D2-C							0				<u>Video Solution - Solver to be (Java)</u>
Caesar's Legions	CF118-D2-D							0				
	SRM354-D2-1000							0				
<u>UnsealTheSafe</u>	311W334-D2-1000											
	SRM349-D1-500							0				
<u>UnsealTheSafe</u>								0				Sol - text clarification
<u>UnsealTheSafe</u>	SRM349-D1-500											Sol - text clarification Sol

Problem Name	Problem Code	Status	Submit	Reading	Thinking	Coding	Debug	Total	Problem Level /10	Ву	Category	1-2 line Comments
1 Tobioin Hamo		0	Count	Time(m)	Time(m)	Time(m)	Time(m)	Time(m)	Level /10	yourself?	0	About your approach 0
No to Palindromes!	AC Averages =>	U	U	U	U	U	U	0	U	U	U	
Mike and Chocolate								0				
Triangle	CF408-D2-C							0				
To Add or Not to Ad								0				
Number of Ways	CF466-D2-C							0				Video Solution - Solver to be (Java)
Queue	CF141-D2-C							0				
Magical Boxes	CF270-D2-C							0				
Knight Tournament	CF357-D2-C							0				
Find Pair	CF160-D2-C							0				
Appleman and Card								0				
Multitasking	CF384-D2-B							0				
Non-square Equation								0				
Hon oqualo Equalo	<u> </u>							0				Watch - Thinking - Let's Put All Together
								0				Watch - DP - Table Method
								0				
_								0				Watch - Graph Theory - Floyd Warshal
Frogger	UVA 534											Sol
Identifying Concurre								0				
Numbering Paths	UVA 125							0				Sol
Jack Straws	UVA 273							0				<u>Sol</u>
Longest Match	<u>UVA 10100</u>							0				
Isolated Segments	UVA 11343							0				Sol
Highways	SPOJ HIGHWAYS							0				
Counting	UVA 10198							0				Needs Big Integer: Have it in your cpp library or learn Java for these (rare) cases
								0				
Mafia	CF349-D2-C							0				
Sereja and Prefixes								0				
About Bacteria	CF199-D2-C							0				
DNA Alignment	CF199-D2-C CF520-D2-C							0				
								0				
Geometric Progress								0				
Watering Flowers								0				
Quiz	CF337-D2-C											
Secret Combination								0				
MUH and Important								0				
Lucky Mask	<u>CF146-D2-B</u>							0				
								0				
								0				Watch - Measuring Algorithms Perfromance - 2
								0				Watch - Graph Theory - Tree Diameter and Isomorphism
PT07Z	SPOJ PT07Z							0				Sol
Roads in the North	UVA 10308							0				Sol
	LIVEARCHIVE 2935	5						0				Sol
								0				
Bracket Sequence	CF224-D2-C							0				
Recycling Bottles	CF672-D2-C							0				
Fancy Number	CF118-D2-C							0				
Matrix	CF365-D2-C							0				
								0				
Glass Carving	CF527-D2-C							0				VEL OLE E MILCOLI
Shaass and Lights												Video Solution - Eng Mostafa Saad
Journey	CF721-D2-C							0				
Captain Marmot	<u>CF474-D2-C</u>							0				<u>Video Solution - Eng Mostafa Saad</u>
The Big Race	CF592-D2-C							0				
Molly's Chemicals								0				<u>Video Solution - Solver to be (Java)</u>
Anatoly and Cockro	<u>CF719-D2-B</u>							0				
Kolya and Tandem	CF443-D2-B							0				
Opposites Attract	CF131-D2-B							0				
								0				
Railway	UVA 10263							0				Sol to read
Factorial Factors	UVA 884							0				
Wifi Access	UVA 12748							0				Sol
Lining Up	UVA 270							0				Video Solution - Eng Mohamed Nasser. Don't Code O(N^3)
Pouring water	SPOJ POUR1							0				Video Solution - Eng Modaried Nasser, Born Code O(N 5)
. ourng water	CF23-D12-C							0				- Lang mode records
								0				
	CF869-D2-C											Con Divisionals and in accounts
	SRM321-D1-500							0				See Rushiose's code in arena summary
								0				
								0				Watch Video - Expected Value
God, Save me	<u>UVA 10777</u>							0				Sol
	CF839-D2-C							0				
	CF454-D2-C							0				
	SRM577-D1-250							0				
	HACKR lazy-sorting							0				Revise Expected Value
	SPOJ ALIENS							0				Sol - Practice on min enclosing circle
	CF340-D2-B							0				
								0				Before moving to another sheet, email me with feedback about these problems selection.
								0				Sold in wring to unotiful shoot, email the with recuback about these problems selection.
								- 0	If you can't	solve 70% o	of above pro	blems or need around 2+ hours per problem, then solve "some" of the following problems.
				Option	al Problems	3		0	They are so	rted too.	acore plu	2 Troute por producting their solve solline for the following problems.
								0				
Checkposts	CF427-D2-C							0				
Literature Lesson	CF139-D2-C							0				
Arpa's loud Owf and								0				
Parity Game	CF298-D2-C							0				
Beauty Pageant	CF246-D2-C							0				
	CF80-D2-C							0				
Heroes								0				
Heroes Dynasty Puzzles	CF192-D2-C							U				
Dynasty Puzzles	CF192-D2-C CF106-D2-C											
	CF106-D2-C							0				

Problem Name	Problem Code	Status	Submit Count	Reading Time(m)	Thinking Time(m)	Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	1-2 line Comments About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
Corporation Mail	CF56-D2-C							0				
								0				
Little Elephant and I	CF205-D2-C							0				
Sereja and Contest	CF315-D2-C							0				
Vasya and Robot	CF355-D2-C							0				
Hockey	CF96-D2-C							0				
Petya and File Syste	CF66-D2-C							0				
Kyoya and Colored	CF554-D2-C							0				
George and Job	CF467-D2-C							0				
Harmony Analysis	CF610-D2-C							0				
Anton and Making P	CF734-D2-C							0				
Table Decorations	CF478-D2-C							0				
								0				
Message	CF157-D2-C							0				
Wilbur and Points	CF596-D2-C							0				
Cows and Sequence	CF284-D2-C							0				
Ladder	CF279-D2-C							0				
Not Wool Sequence	CF239-D2-C							0				
Anagram	CF254-D2-C							0				
DZY Loves Sequence	CF447-D2-C							0				
DZY Loves Physics	CF445-D2-C							0				
Misha and Forest	CF501-D2-C							0				
Jzzhu and Chocolate	CF450-D2-C							0				
								0				
Report	CF631-D2-C							0				
Bear and Prime Nun	CF385-D2-C							0				
Robbery	CF90-D2-C							0				
Vasya and Basketba	CF493-D2-C							0				
Vanya and Scales								0				
Pashmak and Buses								0				

D. Harris	D. H O. I.	01.1	Submit	Reading	Thinking	Coding	Debug	Total	Problem	Ву	0.1	1-2 line Comments
Problem Name	Problem Code	Status	Count	Time(m)	Time(m)	Time(m)	Time(m)	Time(m)	Level /10	yourself?	Category	About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
Solitaire	<u>CF71-D2-D</u>							0				
Vasya and Types	<u>CF88-D2-D</u>							0				
Petya and Divisors								0				
Dividing Island	CF63-D2-D							0				
Long Jumps	<u>CF479-D2-D</u>							0				
Vasya and Chess	<u>CF493-D2-D</u>							0				
Flowers	<u>CF474-D2-D</u>							0				Video Solution - Solver to be (Java)
Dima and Bacteria								0				
Tourist Problem	CF340-D2-C							0				
Lorenzo Von Matter								0				
Restore Graph	CF404-D2-C							0				
	AtCoder009-ABC-C	_						0				
	CF309-D1-C							0				
	CF101-D1-B							0				Sol
	SRM569-D2-1000							0				
	CF961-D12-D							0				
	TIMUS 1498							0				
	CF955-D2-C							0				
	UVA 12869							0				Sol
								0				Watch - Data Structures - Segment Tree (2 vid)
Interval Product	UVA 12532							0				
Potentiometers	LIVEARCHIVE 2191							0				
Halt The War	SPOJ CDC12_H							0				
Counting Primes	SPOJUTE							0				
Light Switching Horrible Queries	SPOJ LICERIELE							0				
	SPOJ HORRIBLE							0				See sceanf and enrintf usage
RMQ with Shifts	UVA 12299							0				See sscanf and sprintf usage
R2D2 and Droid Arr												Use rmq
Ahoy, Pirates!	UVA 11402							0				<u>Sol</u>
Circular RMQ Brackets	CF52-D12-C SPOJ BRCKTS							0				Sol
Present								0				Sol
	CF460-D2-C							0				Sol
A Famous City MessageMess	SPOJ CITY2 SRM149-D1-500							0				30
<u>DiceGames</u>	SRM349-D1-500	-						0				
Mirror, Mirror	UVA 466	-						0				
Pick up sticks	UVA 11686	-						0				Sol
Maximum Sum	SPOJ KGSS							0				301
Waxiiiiuiii Suiii	SRM297-D1-500							0				
	SRM441-D1-250							0				
	CF201-D1-B							0				
	<u>OF ZOT - DT - D</u>							0				
One-Dimensional B	CE567-D2-D							0				Video Solution - Solver to be (Java)
Quantity of Strings								0				THE COUNTY TO BE (SETS)
Eternal Victory	<u>CF61-D2-D</u>							0				
Array Division	CF808-D2-D							0				Video Solution - Solver to be (Java)
Hiring Staff	CF216-D2-C							0				
Tavas and Karafs	CF535-D2-C							0				
Permutations	CF189-D2-C							0				Sol
								0				Watch - Two pointers technique
Spider's Web	CF216-D2-D							0				
Chips	CF334-D2-D							0				
Vasya and String	CF676-D2-C							0				
The SetStack Comp	LiveArchive 3634							0				Sol
Database	<u>UVA 1592</u>							0				
Can you answer the	SPOJ GSS1							0				Sol
	SPOJ BILLIARD							0				Sol
Can you answer the								0				
	SPOJ ABA12E							0				
	UVA 11825							0				Sol
	<u>CF472-D12-D</u>							0				
	UVA 12325							0				Prove your Solution
	UVA 12047							0				<u>Sol</u>
	UVA 10705							0				<u>Sol</u>
	CF101294-GYM-I							0				Sol
								0				
Common Divisors								0				Video Solution - Solver to be (Java)
Mahmoud and a Did								0				Video Solution - Solver to be (Java)
An overnight dance								0				Video Solution - Solver to be (Java)
Polyline	CF617-D2-D							0				
Queue	CF92-D2-D							0				
Exams	CF732-D2-D							0				
Palindromes	<u>CF137-D2-D</u>							0				
Plant	CF186-D2-C							0				
Reberland Linguisti								0				
Lucky Permutation	<u>UF287-D2-C</u>							0				DD D 1 1 177
D: T:	LIN (A 40===							0				DP - Probability
Dice Throwing	UVA 10759							0				Sol
TestBettingStrategy								0				
	TJU 3051							0				
Collecting Bugs	PKU 2096							0				Sol
France '98	UVA 542							0				Sol Col
Tribbles	UVA 12024							0				<u>Sol</u>
Hats	<u>UVA 12024</u>							0				<u>Sol</u>

Problem Name	Problem Code	Status	Submit Count	Reading Time(m)	Thinking Time(m)	Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	1-2 line Comments About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
Tennis contest	UVA 12457							0				Sol
Water Falls	UVA 833							0				Sol
Number Sequence								0				
Is It A Tree?	UVA 615							0				
Help R2-D2!	SPOJ HELPR2D2							0				
1101p 112 D2.	<u>CF1016-D2-E</u>	_						0				
	UVA 11997	-						0				
		-						0				
	FbHkrCup 18-R1-A	-										
	SRM456-D2-1000							0				
								0				
Andrey and Problem								0				Sol
Colliders	<u>CF155-D2-D</u>							0				
Suspects	CF157-D2-D							0				
Three Logos	CF581-D2-D							0				
Good Sequences	CF265-D2-D							0				
Working out	CF430-D2-D							0				
Party	<u>CF116-D2-C</u>							0				
Cupboard and Ballo	CF342-D2-C							0				
Cycles	CF233-D2-C							0				
								0				DP - Masks (2 vid)
Pebble Solitaire	UVA 10651							0				
	CF580-D2-D							0				Video Solution - Solver to be
Permutations	SPOJ PERMUT1							0				THOSE CONTROL TO BE
Assignments Zeros and Ones	SPOJ ASSIGN							0				
	UVA 12063											
Islands and Bridges								0				
	UVA 10178							0				
Equation	<u>UVA 727</u>							0				
Safe	<u>CF47-D2-D</u>							0				
	UVA 11060							0				<u>Sol</u>
Robot Rapping Res	CF645-D12-D							0				
	CF1012-D1-A							0				
	UVA 10342							0				Sol - read the statement clarification
								0				
Directed Roads	CF711-D2-D							0				
Block Tower	CF327-D2-D							0				
Gargari and Permut								0				
A and B and Interes								0				
As Fast As Possible								0				
Chloe and pleasant								0				
Maximum Submatrix								0				Video Solution - Solver to be (Java)
								0				Video Soldtion - Solver to be (Java)
	CF143-D2-D											
	CF25-D2-C							0				
Photographer	CF203-D2-C							0				
LCM Challenge	CF236-D2-C							0				
								0				String Processing - Trie
Search in the diction								0				
Disk Tree	UVA 1556							0				
Phone List	SPOJ PHONELST							0				
Cellphone Typing	<u>UVA 12526</u>							0				
Vasiliy's Multiset	CF706-D2-D							0				
	UVA 10113							0				
	UVA 10534							0				Sol
	UVA 10892							0				
Central Post Office								0				Sol
	UVA 153							0				Sol
. Jimaio.	UVA 507							0				Watch first
								0				
	UVA 10667											Watch first
	UVA 10496							0				
								0				
	CF144-D2-D							0				
Volleyball	CF96-D2-D							0				
	<u>CF606-D2-D</u>							0				
Multiplication Table	CF448-D2-D							0				Video Solution - Solve to be (Java)
Divisible by Seven								0				
Devu and Partitionin								0				
Arthur and Table								0				
		_						-				

Problem Name	Problem Code	Status Submit Res	ading ne(m)	Thinking Coding Time(m) Time(m)	Debug Time(m) T	Total Probler	n By	Category		1-2 line Comments About your approach
	AC Averages =>		0	0 0	0	0 0	0	0		0
Oulipo	PKU 3461					0				String Processing - KMP (2 vid)
A Needle in the Ha	Is SPOJ NHAY					0				
Finding the Tesse Period	SPOJ TESSER SPOJ PERIOD					0				
Prefixes and Suffix	ix <u>CF432-D2-D</u>					0				
Tavas and Maleka Another Game Wi						0				
	UVA 11155					0				
Vertex Cover	SPOJ PT07X					0				Sol
First Digit Law	CF54-D12-C CF500-D12-D					0				
	HACKR vertical-sticks					0				
	UVA 10174					0				
	UVA 1333					0				Sol - Text/Background Clarification
Long Path	CF408-D2-D					0				
Robin Hood End of Exams	CF672-D2-D CF94-D2-D					0				
Equivalent Strings	S CF560-D2-D					0				Sol to learn
Count Good Subs Mushroom Scienti						0				
Analyzing Polyline						0				
Bear and Prime 10	0 CF680-D2-C					0				
24 Game Team	CF469-D2-C CF401-D2-C					0				
	State State State					0				DP - Games (2 vid)
Bachet's Game	UVA 10404 SRM534-D1-250					0				Sol
	SRM534-D1-250 SRM522-D1-250					0				
BagsOfGold	SRM228-D1-500					0				
Bag of mice MELE3	CF148-D2-D SPOJ MELE3					0				Sol
Roads	SPOJ ROADS					0				Sol
The Tree Root	UVA 10459					0				Sol
SKYLINE Ordering the Soldi	UVA 1232 Iii SPOJ ORDERS					0				Sol Sol
Playlist	CF268-D2-E					0				Sol Sol
The Dueling Philos	SRM481-D1-500 ELIVEARCHIVE 6195					0				Sol
						0				
Dima and Lisa						0				
Little Girl and Max Two Strings	CF276-D2-D CF224-D2-D					0			See editorials	See editorials Sol
Queue	CF353-D2-D					0				
Big Maximum Sun Efim and Strange						0				
Football Champion						0				
Given Length and	CF489-D2-C					0				
Trip Routing	UVA 186					0				Sol
Scheduling Lectur	n <u>UVA 607</u>					0				Sol
Weird Function The ? 1 ? 2 ? ?	SPOJ WEIRDFN					0				<u>Sol</u>
Dictionary Subseq	SPOJ DICTSUB					0				Sol
Jimmi's Riddles Friends and Subse	UVA 10058					0				Sol
	W SPOJ SEGSORSS					0				Sol
Travel in Desert	UVA 10816					0				Sol
Almost Union-Find	d UVA 11987 SRM537-D2-1000					0				<u>Sol</u>
	CF513-D12-C					0				Sol
	SRM453.5-D2-1000 SPOJ PARSUMS					0				Sol
	SPOJ PARSUMS					0				30
Cow Program	CF284-D2-D					0				
Random Task Greg and Graph	CF431-D2-D CF296-D2-D					0				
Russian Roulette	CF104-D2-D					0				
Bicycle Race Greenhouse Effec						0				
Pocket Book	CF152-D2-C					0				
Levko and Array F Ice Cave	CF361-D2-C CF540-D2-C					0				
ne cave	<u> </u>					0				
Robbery	UVA 707					0				Sol
The Errant Physic Brackets sequence						0				Sol Sol
Unique World	UVA 10448					0				Video Solution - Eng Mostafa Saad
Bad Luck Island Game of Euler						0				Sol
Shopping Trip	UVA 11284					0				Sol
Hotel booking	UVA 11635					0				Sol
	CF337-D2-D					0				Sol
	HACKR ajourney					0				
	HACKR ajourney									
Hit Ball	CF203-D2-D					0				Sol
Hit Ball Sereja ans Anagra Choosing Capital	CF203-D2-D a CF368-D2-D f CF219-D2-D					0 0				Sol
Hit Ball Sereja ans Anagra Choosing Capital Coloring Brackets	CF203-D2-D a CF368-D2-D f CF219-D2-D s CF149-D2-D					0 0 0				Sol Sol
Hit Ball Sereja ans Anagra Choosing Capital : Coloring Brackets Changing a String	CF203-D2-D a CF368-D2-D f CF219-D2-D c CF149-D2-D g CF56-D2-D					0 0				
Hit Ball Sereja ans Anagra Choosing Capital I Coloring Brackets Changing a String Dima and Hares Two Paths	CF203-D2-D a CF368-D2-D f CF219-D2-D c CF149-D2-D g CF56-D2-D CF358-D2-D CF14-D2-D					0 0 0 0 0 0				
Hit Ball Sereja ans Anagra Choosing Capital I Coloring Brackets Changing a String Dima and Hares Two Paths Cycle in Graph	GF203-D2-D a GF368-D2-D f GF219-D2-D GF149-D2-D GF56-D2-D GF358-D2-D GF14-D2-D GF263-D2-D					0 0 0 0 0 0 0				
Hit Ball Sereja ans Anagra Choosing Capital i Coloring Brackets Changing a String Dima and Hares Two Paths Cycle in Graph Fixing Typos Cutting Figure	CF203-D2-D a CF368-D2-D f CF219-D2-D CF149-D2-D CF368-D2-D CF368-D2-D CF368-D2-D CF368-D2-D CF263-D2-D					0 0 0 0 0 0 0 0				
Hit Ball Sereja ans Anagra Choosing Capital I Coloring Brackets Changing a String Dima and Hares Two Paths Cycle in Graph	CF203-D2-D a CF368-D2-D f CF219-D2-D CF149-D2-D CF368-D2-D CF368-D2-D CF368-D2-D CF368-D2-D CF263-D2-D					0 0 0 0 0 0 0 0 0				Sel
Hit Ball Sereja ans Anagra Choosing Capital i Coloring Brackets Changing a String Dima and Hares Two Paths Cycle in Graph Fixing Typos Cutting Figure	CF203-D2-D a CF368-D2-D f CF219-D2-D CF149-D2-D CF368-D2-D CF368-D2-D CF368-D2-D CF368-D2-D CF263-D2-D					0 0 0 0 0 0 0 0				Sol Geometry - Simple and Convex Polysons
Hit Ball Sereja ans Anagra Choosing Capital i Coloring Brackets Changing a String Dima and Hares Two Paths Cycle in Graph Fusing Typos Cutting Figure Escape from Ston BestTriangulation	CF203-D2-D 8 CF368-D2-D 9 CF369-D2-D 9 CF369-D2-D 9 CF369-D2-D CF358-D2-D CF358-D2-D CF363-D2-D SRM278-D2-500					0 0 0 0 0 0 0 0 0 0 0 0				Sel
Hit Ball Sereja ans Anagra Choosing Capital I Coloring Brackets Changing a String Dima and Hares Two Paths Cycle in Graph Fung Typos Cutting Figure Escape from Ston BestTriangulation Trees on My Islan	GE03-D2-D a GE388-D2-D a GE388-D2-D d GE29-D2-D GE388-D2-D GE38-D2-D GE58-D2-D GE38-D2-D					0 0 0 0 0 0 0 0 0 0 0 0			Sal	Sol Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut
Hit Ball Sereja ans Anagra Choosing Capital i Coloring Brackets Coloring Brackets Changing a String Dima and Hares Two Paths Cycle in Graph Fixing Typos Cutting Figure Escape from Ston BestTriangulation Trees on My Islan Packing polygons	GE03-D2-D a GE388-D2-D a GE388-D2-D d GE29-D2-D GE38-D2-D					0 0 0 0 0 0 0 0 0 0 0 0				Sol Geometry - Simple and Convex Polysons
Hit Ball Sereja ans Anagre Choosing Capital I Choosing Papital I Coloring Bracket Changing a String Dima and Hares Two Paths Cycle in Graph Fixing Typos Cutting Figure Escape from Ston BestTriangulation Trees on My Islan Packing polygons Video Surveillance	CF203-D2-D a CF368-D2-D (F7219-D2-D CF369-D2-D CF369-D2-D CF368-D2-D CF369-D2-D CF369-D2-D CF369-D2-D CF369-D2-D CF369-D2-D LF102-D LF					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Sel Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sal Use polygon aud Use polygon aud
Hit Ball Sereja ans Anagra Choosing Capital Choosing Capital Choosing Bracket Changing a String Dima and Hares Two Paths Cycle in Graph Fating Typos Cutting Figure Escape from Ston Trees on My Island Tre	CF203-D2-D GCF88-D2-D GCF18-D2-D GCF18-D2-D GCF18-D2-D GCF38-D2-D GCF38-D2-D GCF38-D2-D GCF38-D2-D GCF38-D2-D GCF48-D2-D GCF48-					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Sol Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sol Use polygon out
Hit Ball Sereja ans Anagra Choosing Capital 1 Coloring Brackets Changing a String Dima and Hares Two Paths Tyo Paths	CF203-D2-D GF38-D2-D GF38-D2-D GF38-D2-D GF49-D2-D GF49-D2-D GF38-D2-D GF38-					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Sel Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sal Use polygon aud Use polygon aud
Hit Ball Sereja ans Anagra Choosing Capital Coloring Brackets Changing a String Dima and Hares Two Paths Cycle in Graph Paring Typos Cutting Figure Escape from Ston Best Trianguistion Trees on My Islam Packing polygons Vivice Surveillanct The Most Potent C	CF203-D2-D GF38-D2-D GF38-D2-D GF19-D2-D GF19-D2-D GF19-D2-D GF19-D2-D GF38-D2-D GF19-D2-D GF38-D2-D GF38-					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Sel Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sal Use polygon aud Use polygon aud
Hit Ball Sereja ans Anagra Choosing Capital Coloring Brackets Changing a String Dima and Hares Two Paths Cycle in Graph Paring Typos Cutting Figure Escape from Ston Best Trianguistion Trees on My Islam Packing polygons Vivice Surveillanct The Most Potent C	CF203-D2-D GF388-D2-D GF388-D2-D GF48-D2-D GF48-D2-D GF48-D2-D GF48-D2-D GF48-D2-D GF388-D2-D GF388-D2-D GF388-D2-D GF388-D2-D SRM278-D2-S00 LIVA-1008 LIVA-1008 LIVA-1008 LIVA-1008 LIVA-1008 SRM473-D1-500 SRM473-D1-500 SRM473-D1-500 SRM473-D1-500					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Sel Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sal Use polygon aud Use polygon aud
Hit Ball Sereja ans Anagra Choosing Capital Coloring Bracksts Changing a String plant Deal of String Brackst Two Paths Two Paths Cycle in Graph Fising Typos Cutting Figure Escape from Ston Trees on My Islan Packing polygons Trees on My Islan Packing polygons The Most Potent C	CF203-D2-D GF38-D2-D SRM278-D2-S00 kUVA-1008 LUVA-507 SRM278-D2-S00 SRM473-D1-500					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Sel Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sal Lite polygon aut Use polygon aut
Hit Ball Sereja ans Anagra Choosing Capital Coloring Bracksts Changing a String plant Deal of String Brackst Two Paths Two Paths Cycle in Graph Fising Typos Cutting Figure Escape from Ston Trees on My Islan Packing polygons Trees on My Islan Packing polygons The Most Potent C	CF203-D2-D GF38-D2-D GF38-					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Sel Geometry - Simple and Convex Polysons Geometry - Polyson Area - Centroid - Cut Sel Use polyson cut Use polyson cut Sel Sel
Hit Ball Sereja ans Anagra Choosing Capital Coloring Bracksts Changing a String plant Deal of String Brackst Two Paths Two Paths Cycle in Graph Fising Typos Cutting Figure Escape from Ston Trees on My Islan Packing polygons Trees on My Islan Packing polygons The Most Potent C	CF203-D2-D GF38-D2-D SRM278-D2-S00 LIVE-ARCHIVE 2831 SRM3-D3-D3-D3-D3-D3-D3-D3-D3-D3-D3-D3-D3-D3					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Sel Geometry - Simple and Convex Polysons Geometry - Polyson Area - Centroid - Cut Sal Use polyson cut Use polyson cut Sol Sol
Hit Ball Sereja ans Anagra Choosing Capital Coloring Bracksts Changing a String plant Deal of String Brackst Two Paths Two Paths Cycle in Graph Fising Typos Cutting Figure Escape from Ston Trees on My Islan Packing polygons Trees on My Islan Packing polygons The Most Potent C	CF203-D2-D GF38-D2-D SFM278-D2-S00 kUA-1008 LUK-ARCHIVE 2831 LUK-ARCHIVE 283					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sal Use polygon aut Use polygon aut sol Sal Sal Sal Sal
Hit Ball Sereja ans Anagra Choosing Capital Coloring Bracksts Changing a String plant Deal of String Brackst Two Paths Two Paths Cycle in Graph Fising Typos Cutting Figure Escape from Ston Trees on My Islan Packing polygons Trees on My Islan Packing polygons The Most Potent C	CF203-D2-D GF38-D2-D GF38-D2-D2					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Sel Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sel Use polygon cut Use polygon cut Sel
Hit Ball Sereja ans Anagra Choosing Capital Coloring Bracksts Changing a String plant Deal of String Brackst Two Paths Two Paths Cycle in Graph Fising Typos Cutting Figure Escape from Ston Trees on My Islan Packing polygons Trees on My Islan Packing polygons The Most Potent C	CF203-D2-Q GF388-D2-D GF388-D3-D GF388-D3-D GF388-D3-D GF388-D3-D GF388-D3-D GF388-D3-D GF388-D3-D GF3888-D3-D GF3888-D GF3888-D3-D GF3888-D3-D GF3888-D3-D GF3888-D3-D GF3888-D3-D GF3888-D3-D GF3888-D3-D GF3888-D3-D GF3888-D3-D GF388-D3-D GF388-D3-D GF388-D3-D GF388-D3-D GF388-D3-D GF388-D3-D GF388-D3-D GF388-D					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sol Use polygon aut sol Sol Sol Sol Sol
Hit Ball Sereja ans Anagra Choosing Capital Coloring Bracksta. Changing a String Drina and Hares Two Paths Cycle in Graph Type Brising Types Cutting Figure Escape from Ston Trees on My Islan Packing polygons.	CF203-D2-D GF38-D2-D GF38-D2-D2					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Geometry - Simple and Convex Polygons Geometry - Polygon Area - Centroid - Cut Sol Use polygon out Use polygon out Use polygon out Sol

Problem Name	Problem Code	Status	Submit Count	Reading Time(m)	Thinking Time(m)	Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	1-2 line Comments About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
Polygons	UVA 137							0				Sol.
								0				Graph Theory - Maximum Flow (2 vid)
otholers	SPOJ POTHOLE							0				Sol
Power Transmissi	UVA 10330							0				Sol
opher II	UVA 10080							0				Sol
oftware Allocatio	UVA 259							0				Sol
	UVA 10349							0				Sol - 2 ways
	UVA 12168							0				<u>Sol</u>
Plug for UNIX	UVA 753							0				<u>Sol</u>
	UVA 10349							0				Sol - 2 ways
tergalactic Map	SPOJ IM							0				Sol
	UVA 11159							0				Sol
	UVA 1194							0				Sol
ence Obstacle C	PKU 2374							0				Sol
iver Crossing	UVA 10514							0				Sol
	SRM368-D1-500							0				<u>Sol</u>
	SRM373-D2-1000							0				<u>Sol</u>
	SRM558-D1-250							0				
	SRM550-D2-1000							0				
	UVA 10180							0				Sol
	TIMUS 1156							0				

Problem Name	Problem Code	Status	Submit Count	Reading Time(m)	Thinking Time(m)	Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	1-2 line Comments About your approach
	AC Averages =>	0	0	0	o 0	Time(m)	0	0	0	0	0	0
								0				Graph Theory - SCC (2 vid)
The Bottom of a G Test								0				Sol Col
	UVA 10731 SRM312-D1-500							0				Sol
	<u>CF467-D2-D</u>							0				
	SRM608-D2-1000							0				
Theseus and labyr Cunning Gena	<u>CF418-D1-B</u>							0				
	UVA 10480							0				Sol
	SRM352-D2-1000							0				
	<u>UVA 1555</u> <u>CF101589-GYM-F</u>							0				Sol Sol
	<u>CF1016-D12-D</u>							0				500
	<u>CF26-D12-D</u>							0				Sol - must read
	<u>CF1012-D1-B</u> <u>CF1010-D1-C</u>							0				
	CF633-D12-D							0				
	HACKR house-location							0				Sol
	<u>CF621-D2-D</u>							0				<u>Sol</u>
Gifts by the List	CF681-D2-D							0				
DZY Loves Modific								0				Prove
Mike and Feet Permutation Sum	<u>CF548-D2-D</u>							0				
Arpa's weak amph								0				
Special Grid	CF435-D2-D							0				
Roman and Numb								0				Col
Persistent Bookca: Regular Bridge								0				<u>Sol</u>
Almost Arithmetica								0				
	CF59-D2-C							0				
Treasure	<u>CF495-D2-C</u>							0				
Unique Attack	ZOJ 2587							0				
	SPOJ DCEPC12E							0				
Grammar Evaluation Find the Winning N								0				Sol Sol
Check the difficulty								0				Sol
Proving Equivalent	<u>UVA 12167</u>							0				Sol
	<u>UVA 547</u> <u>UVA 11504</u>							0				Sol
	SRM419-D2-1000							0				901
	UVA 11176							0				Sol
	SRM391-D2-1000 SRM465-D1-500							0				Sol
	UVA 10740							0				Sol
	UVA 12261							0				
	LIVEARCHIVE 4008 UVA 1342							0				Sol
	CF101589-GYM-H							0				Sol
	<u>CF811-D2-D</u>							0				
	AtCoder026-AGC-B							0				Sol
Red-Green Towers	CF478-D2-D							0				
Renting Bikes								0				
Lucky Number 2 Digits Permutation								0				
	CF496-D2-D							0				
Bubble Sort Graph	CF340-D2-D							0				
Polo the Penguin a Upgrading Array								0				
Naughty Stone Pile								0				
Game	<u>CF69-D2-C</u>							0				
Ciel and Robot Plus and Square F								0				
- ius anu square h	<u>5.110-52-0</u>							0				
	UVA 12657							0				Sol
	SPOJ QUEST4							0				Sol
	<u>UVA 11347</u> <u>UVA 563</u>							0				Sol
	SRM545-D2-1000							0				
	SRM495-D1-500							0				
	SPOJ PROOT CF101149-GYM-G							0				Sol Sol
Connected Compo								0				
	SPOJ ANDROUND							0				Sol
Campus Roads The Child and Zoo								0				<u>Sol</u>
	<u>CF437-D2-D</u> <u>CF403-D1-C</u>							0				
	<u>CF787-D2-C</u>							0				
	<u>CF309-D12-B</u> SRM392-D1-1000							0				
	UVA 12128							0				
	Timus 1362							0				Sol
	CF1012-D1-C							0				Sal
	SPOJ COCONUTS							0				<u>Sol</u>

Problem Name	Problem Code	Status	Submit	Reading	Thinking	Coding	Debug	Total	Problem	Ву	Catagony	1-2 line Comments
			Count	Time(m)	Time(m)	Time(m)	Time(m)	Time(m)	Level /10	yourself?	Category	About your approach
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	0
Image Preview	CF651-D2-D							0				
Maximum Xor Sec								0				
Psychos in a Line								0				
	CF313-D2-D							0				
Mr. Bender and Sc								0				
Fish Weight Guess That Car!	<u>CF298-D2-D</u>							0				
T-decomposition								0				
Wizards and Huge								0				
Dima and Salad								0				
Gennady the Dent	CF586-D2-C							0				
Cinema	CF670-D2-C							0				
								0				
	UVA 104							0				<u>Sol</u>
	<u>CF431-D2-D</u> <u>UVA 501</u>							0				Sol - Must Read
	UVA 11234							0				Sol
	SPOJ MSE07E							0				Read SPOJ users' comments about IO. See here sol
Tobo or not Tobo	SPOJ ANARCO8A							0				Sol
Sum-up the Prime:								0				Sol
Largest Rectangle								0				Sol. Don't implement as adhock/greedy/Pure STL. Use a data structure.
	UVA 663	-						0				<u>Sol</u>
The Problem with I	SRM531-D2-1000							0				
	SPOJ PSYCHON							0				
	LIVEARCHIVE 4326							0				
	UVA 1234							0				Sol
<u>ActivateGame</u>	SRM470-D2-1000							0				
	CF359-D2-D							0				Sol
	UVA 10944							0				
End up with More Probability								0				<u>Sol</u>
	<u>UVa 11346</u> SRM470-D1-500							0				<u>Sol</u>
	SPOJ COCONUTS							0				Sol
	PKU 2991							0				
	<u>CF592-D2-D</u>							0				
								0				
-	CF189-D2-D							0				<u>Sol</u>
Moodular Arithmet								0				Sol
Lucky Transformat Alternating Curren								0				
Boring Partition								0				Sol. Find proof (See editorial comments)
Spongebob and So								0				
How many trees?	<u>CF9-D2-D</u>							0				
Gargari and Bisho								0				
	CF104-D2-C							0				
Anya and Ghosts								0				
Square Subsets	<u>CF440-DZ-C</u>							0				
Angry Programme	UVA 11506							0				Sol
The New Rule in E								0				Sol
	SPOJ MULTQ3							0				Sol
	SRM492-D2-1000							0				
March of the Peng								0				Sol
WTommy's Trouble		-						0				Don't use DR. Check it later in aditional Sel
PeopleYouMayKno The Game of 31								0				Don't use DP. Check it later in editorial. Sol
Can you answer th								0				Sol Sol
	TJU 1011							0				Sol
	<u>CF801-D2-D</u>							0				Sol
	UVA 10987							0				Sol
	<u>CF631-D2-D</u>							0				
	SRM144-D1-500							0				
	SRM509-D1-500 CF280-D1-C							0				
	SRM326-D1-1000							0				
	CF110-D2-D							0				
	CF163-D12-C							0				
								0				
	CF197-D2-D							0				
	CF352-D2-D							0				<u>Sol</u>
Sagheer and Kinde								0				Sol
Dispute Remainders Game	<u>CF242-D2-D</u>							0				
	<u>CF448-D2-D</u>							0				
Curry wark	5. TTU-DE-D							,				

Decklers Name	Darkland	Status	Submit	Reading	Thinking	Coding	Debug	Total	Problem	By	0-4	Annonment
Problem Name		Status	Count	Time(m)	Time(m)	Time(m)	Time(m)	Time(m)	Level /10	yourself?	Category	Any Comments
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	This is your own sheet
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								0				E.g. what you solve in codeforces contests
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Problem Name	Problem	Status	Submit Count	Reading Time(m)	Thinking Time(m)	Coding Time(m)	Debug Time(m)	Total Time(m)	Problem Level /10	By yourself?	Category	Any Comments
	AC Averages =>	0	0	0	0	0	0	0	0	0	0	
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