Algorithms

Uva OJ

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Teaching, Training and Coaching for more than a decade!

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Bachelor / Msc from Cairo University - Egypt
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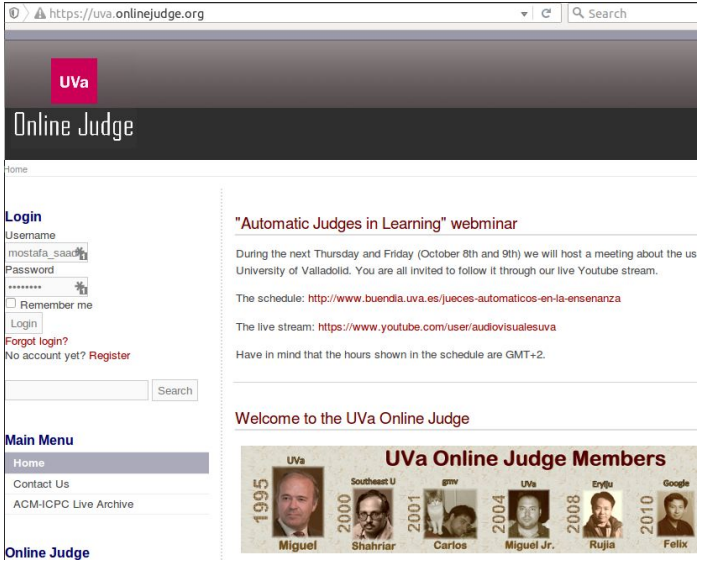
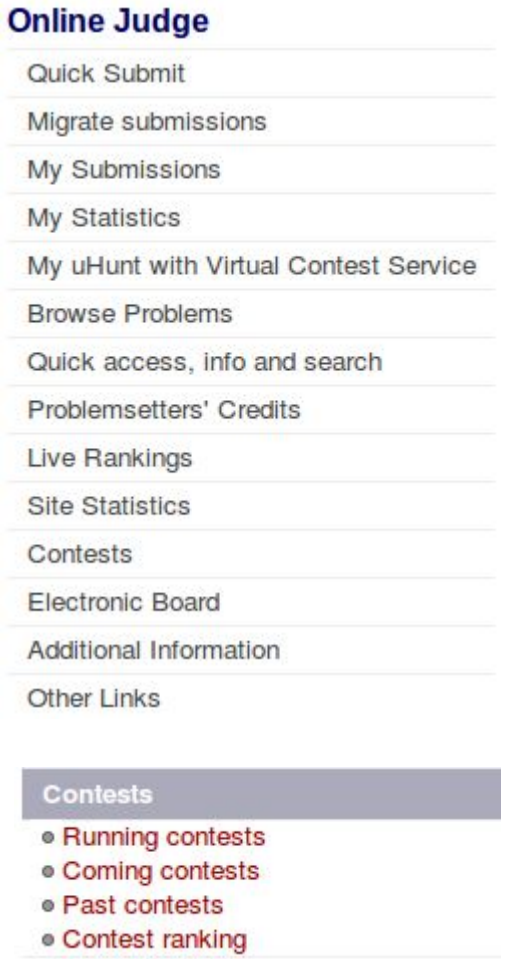
Uva OJ

- Uva is identical to SPOJ, but has many old great problems
- Site Technical issues
  - Registering for a course can be complicated in the course
  - The login can be a little problematic. Usually you need to remove some cookies. See
  - You may get security warnings when logging in
- Quality
  - Many great problems, but many people hate the OJ
  - Lengthy text. Sometimes tricks are hidden in the text
  - Presentation errors due to extra blank lines or spaces



Menu

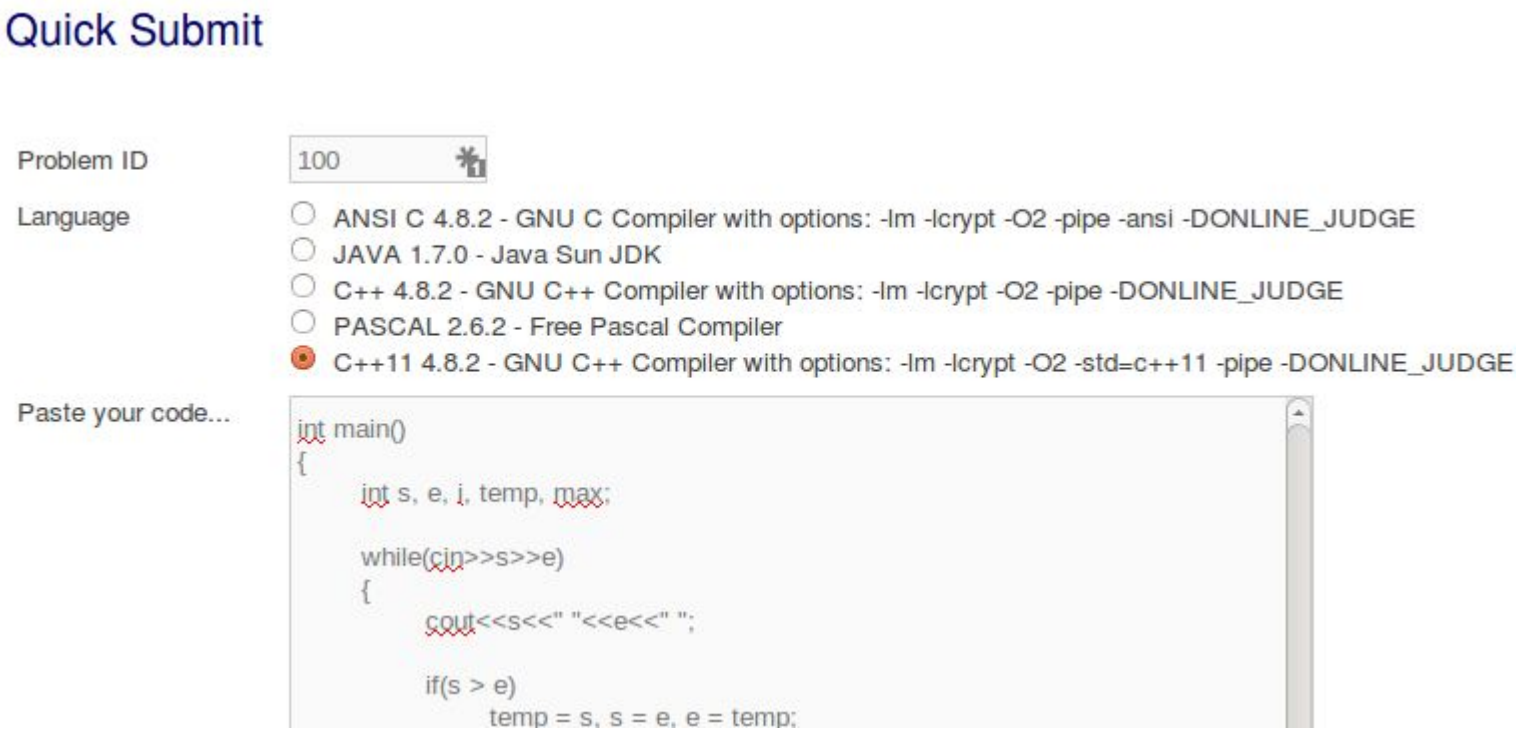
- Quick Submit
  - Fast submission without open problem
- Electronic Board: Qs Forum
- My uHint: External tool
- Search utility
- And others...explore



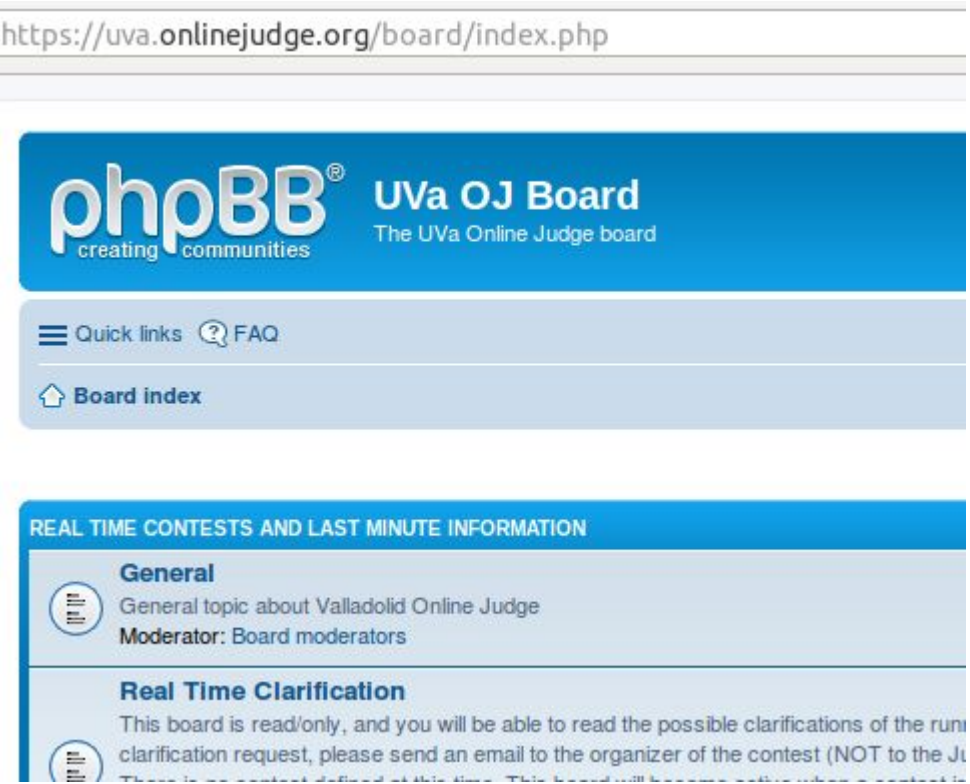
Problems List

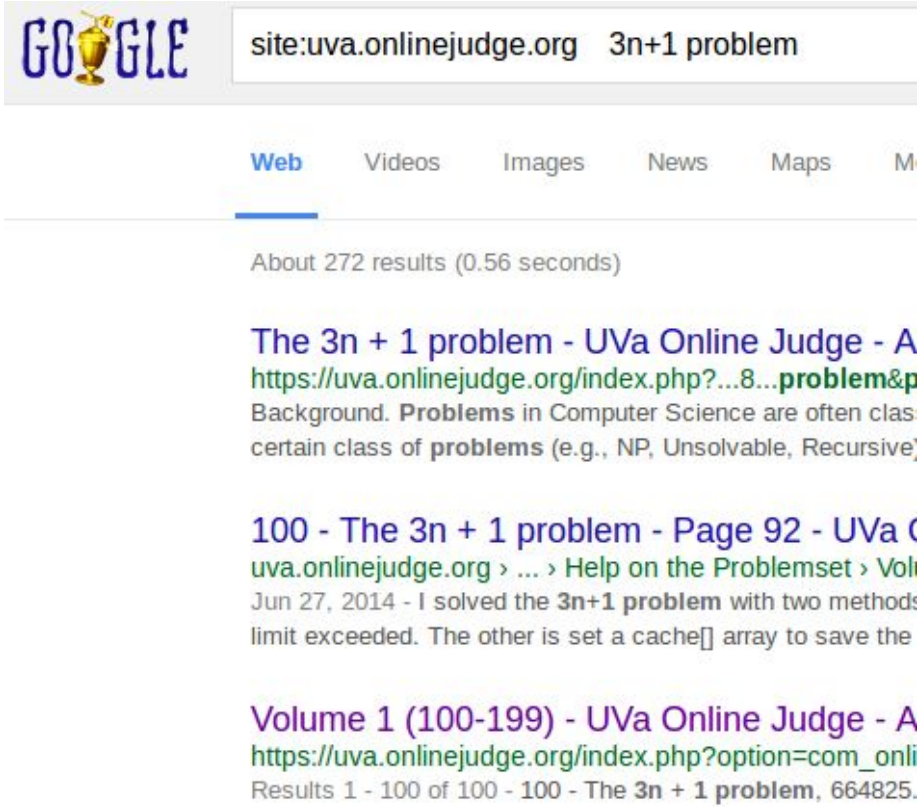
For faster browsing, you may use **https://uva.onlinejudge.org/external/**

Quick Submit



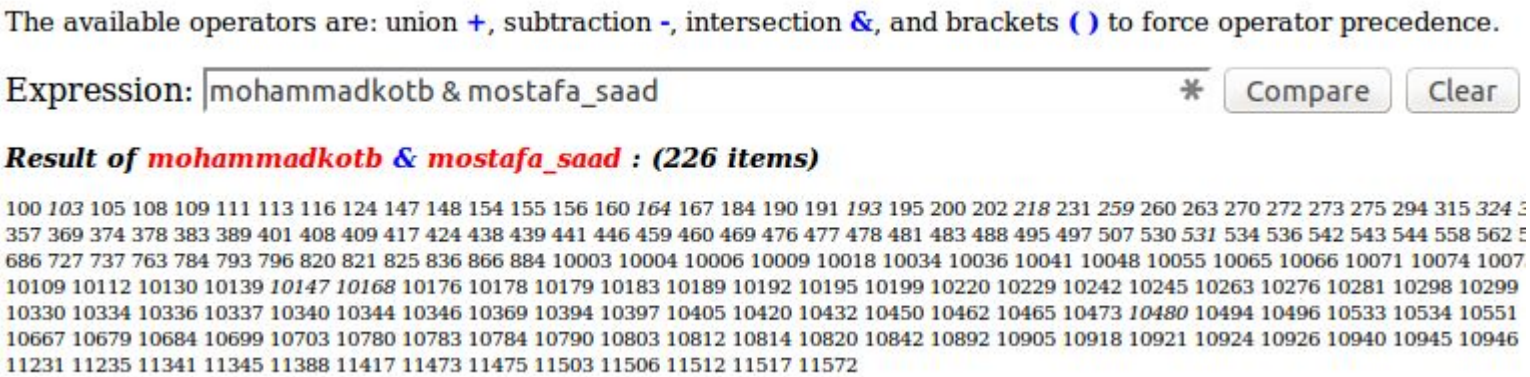
Forums


https://uva.onlinejudge.org/board/index.php
phpBB
creating communities
UVa OJ Board
The UVa Online Judge board
Quick links
FAQ
Board index
REAL TIME CONTESTS AND LAST MINUTE INFORMATION
General
General topic about Valladolid Online Judge
Moderator: Board moderators
Real Time Clarification
This board is read/only, and you will be able to read the possible clarifications of the
clarification request, please send an email to the organizer of the contest (NOT to the

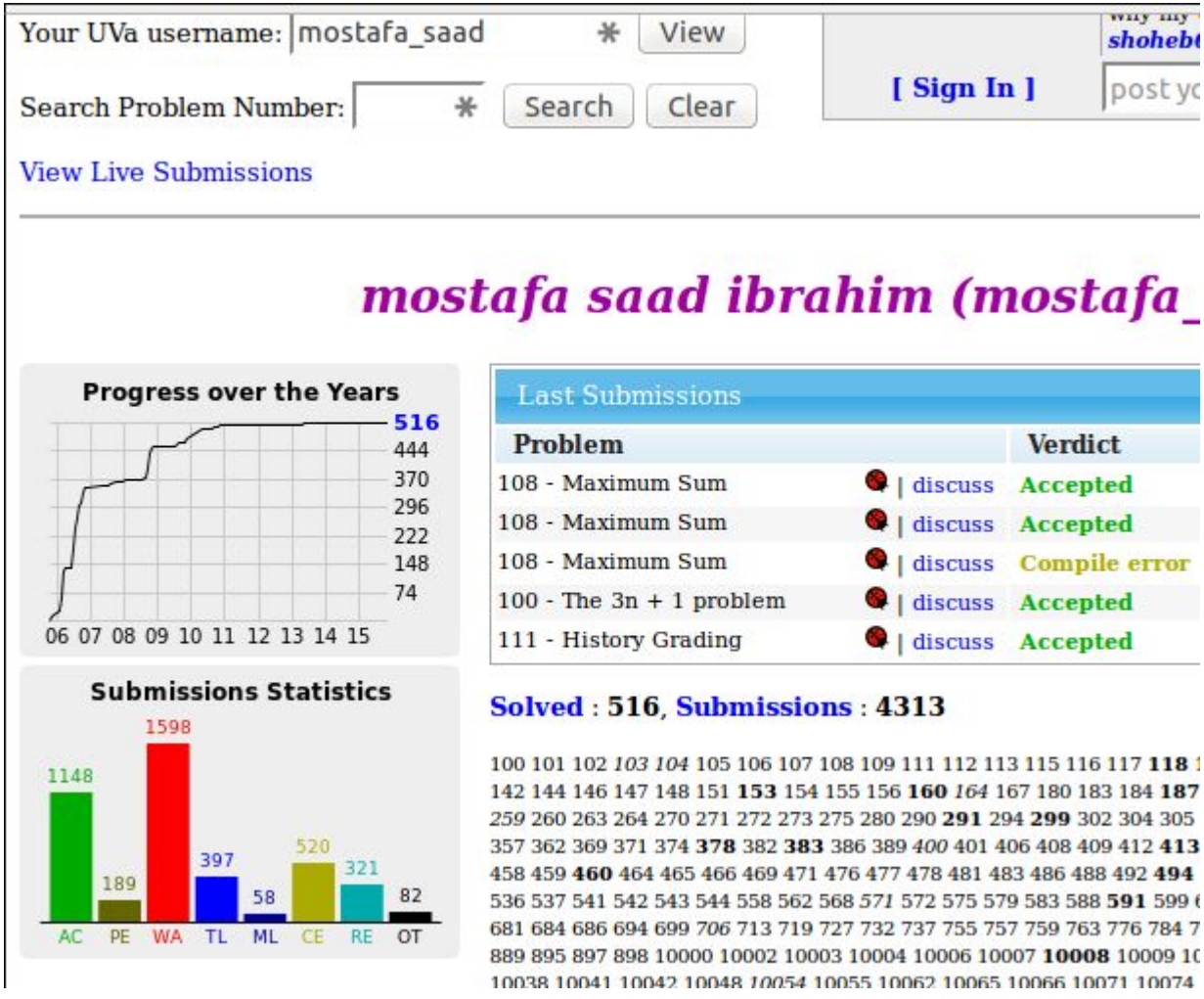

GOOGLE
site:uva.onlinejudge.org 3n+1 problem
Web
Videos
Images
News
Maps
About 272 results (0.56 seconds)
The 3n + 1 problem - UVa Online Judge - A
https://uva.onlinejudge.org/index.php?...8...problem&p
Background. Problems in Computer Science are often clas
certain class of problems (e.g., NP, Unsolvable, Recursive)
100 - The 3n + 1 problem - Page 92 - UVa
uva.onlinejudge.org › ... › Help on the Problemset › Vol
Jun 27, 2014 - I solved the 3n+1 problem with two method
limit exceeded. The other is set a cache[] array to save the
Volume 1 (100-199) - UVa Online Judge - A
https://uva.onlinejudge.org/index.php?option=com_onli
Results 1 - 100 of 100 - 100 - The 3n + 1 problem, 664825.

UVA: uhunt: compare

- uHunt, a tool developed by **Felix Halim,** the brother of Steven Halim, the author of Competitive Programming books



UVA: uhunt: view user



Hints and books by Steven Halim

Competitive Programming Exercises

FB Page | Info | Buy
Edition: 1st, 2nd, 3rd

Steven Halim and I published the Competitive Programming book which is targetted to help regular computer science students to quickly get up and running for the ACM ICPC as well as IOI. The book discusses the types of problems that are frequently occurs in programming contests. The exercises have been integrated to this uHunt tool so that you can keep track of your progress. To get started, select a chapter from the table on the right. Each chapter has starred problems (i.e., a must try problem). Happy solving :)



3rd Edition's Exercises (switch to: 1st, 2nd, 3rd)

Book Chapters	Starred ★	ALL
1. Introduction	23%	17%
2. Data Structures and Libraries	29%	23%
3. Problem Solving Paradigms	24%	25%
4. Graph	31%	32%
5. Mathematics	42%	36%
6. String Processing	30%	32%
7. (Computational) Geometry	16%	30%
8. More Advanced Topics	7%	10%
9. Rare Topics	29%	32%

Ad Hoc Mathematics Problems (12/33 = 36%)

The Simpler Ones (0/3)

10773 -	Back to Intermediate ...	★	discuss	Lev 3 --- ? ---
11723 -	Numbering Roads	★	discuss	Lev 3 --- ? ---
11875 -	Brick Game	★	discuss	Lev 2 --- ? ---

Mathematical Simulation (Brute Force), easier (2/3)

382 -	Perfection	★	discuss	Lev 1 ✓ 0.002s/3112
1225 -	Digit Counting	★	discuss	Lev 2 --- ? ---
10346 -	Peter's Smokes	★	discuss	Lev 1 ✓ 0.000s/1488

Java BigInteger Class (5/12 = 41%)

Basic Features (1/3)

713 -	Adding Reversed Num...	★	discuss	Lev 2 ✓ 0.008s/2361(6)
10523 -	Very Easy !!!	★	discuss	Lev 3 --- ? ---
11879 -	Multiple of 17	★	discuss	Lev 3 --- ? ---

Bonus Features: Base Number Conversion (3/3)

343 -	What Base Is This?	★	discuss	Lev 3 ✓ 0.092s/1177(1)
389 -	Basically Speaking	★	discuss	Lev 2 ✓ 1.990s/3077(11)
10551 -	Basic Remains	★	discuss	Lev 3 ✓ 0.049s/787

"Acquire knowledge and impart it to the people."

"Seek knowledge from the Cradle to the Grave."