

codeforces 简单介绍

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网站

官方 <https://codeforces.com/>

镜像站1 <https://codeforces.ml/>

镜像站2 <https://codeforc.es/>

评分系统

Rating	Rank	Color
1200	newbie	灰色
	pupil	绿色
	specialist	青色
	expert	蓝色
	candidate master	紫色
	master	黄色
	international master	深黄色
	grandmaster	红色
	international grandmaster	深红色
	legendary grandmaster	黑红色

比赛类型

Div.1, Div.2, Div.3和Educational Round 和 div.4 和Global

div4 比较少 就出过一场

div3 1600分以下的计分 适合新手的 ak的话也挺有希望的

div2 div1 同一个场次分为两场时候 1900 分及其以上只能参加div1 1900分以下只能参加div2

div2 单独出一场 2100 分以下都是rated

edu 场 2100分以下都是计分的

global 和一些特殊的场 都是针对所有人的。

div3 edu 是有赛后hack的。分数是按照时间制度。（提交一次不对10分钟的罚时）。

其他的是按照分数制度（提交一次不对的话扣50分）

算成绩是按照你的现有分数根据复杂公式（俺也不知道）给你一个预期排名，你打得越好（排名越靠前），加分越多。

打比赛的话只要看rated 还是unrated

gym场

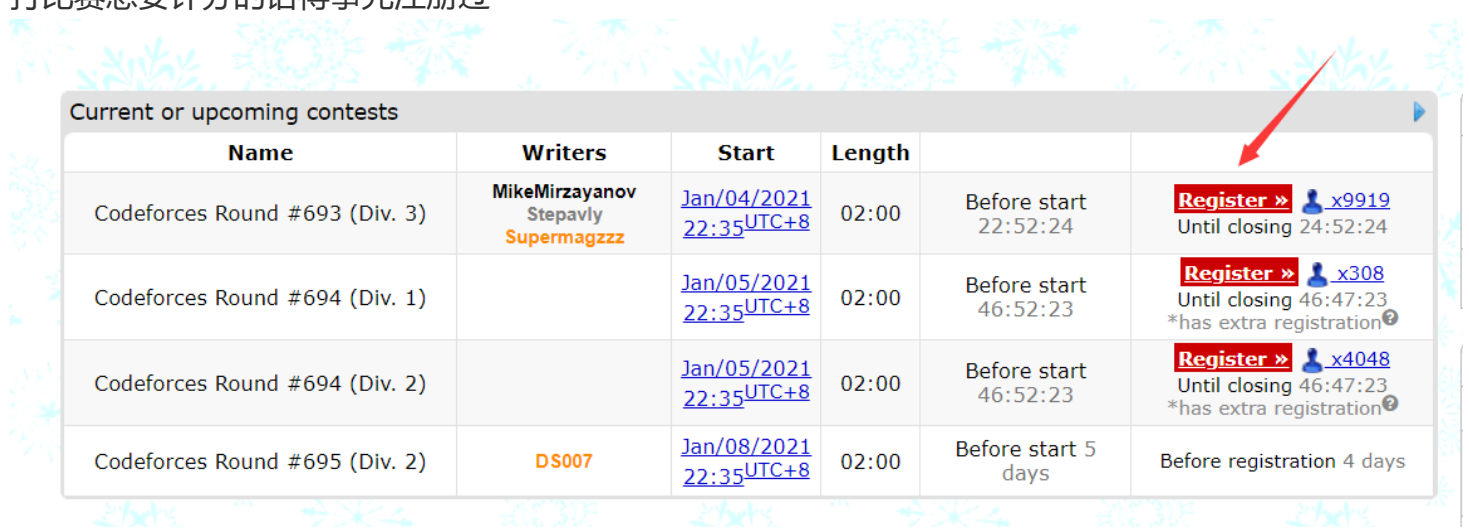
开启coach mode:

上紫 (1900) 并20/30? 场

上黄 (2100)

注册一场比赛

打比赛想要计分的话得事先注册过



The screenshot shows the 'Current or upcoming contests' section of the Codeforces website. A red arrow points to the 'Register »' button in the first row. The table lists four contests with their respective writers, start times, lengths, and registration details.

Name	Writers	Start	Length		
Codeforces Round #693 (Div. 3)	MikeMirzayanov Stepavly Supermagzzz	Jan/04/2021 22:35UTC+8	02:00	Before start 22:52:24	Register » x9919 Until closing 24:52:24
Codeforces Round #694 (Div. 1)		Jan/05/2021 22:35UTC+8	02:00	Before start 46:52:23	Register » x308 Until closing 46:47:23 *has extra registration
Codeforces Round #694 (Div. 2)		Jan/05/2021 22:35UTC+8	02:00	Before start 46:52:23	Register » x4048 Until closing 46:47:23 *has extra registration
Codeforces Round #695 (Div. 2)	DS007	Jan/08/2021 22:35UTC+8	02:00	Before start 5 days	Before registration 4 days

1.点击你想打的比赛的Register

Registration for the contest

Codeforces Round #693 (Div. 3)

Notice:

You are registering "out of competition", reason: rating should be between 0 and 1,599 in order to register for the contest

Terms of agreement:

The registration confirms that you:

- * have read the contest rules
- * will not violate the rules
- * will not communicate with other participants, use another person's code for solutions/generators, share ideas of solutions and hacks
- * will not attempt to deliberately destabilize the testing process and try to hack the contest system in any form
- * will not use multiple accounts and will take part in the contest using your personal and the single account.

Take part: ☒ as individual participant

Register

2. 确定以参赛者的身份注册

Current or upcoming contests					
Name	Writers	Start	Length		
Codeforces Round #693 (Div. 3)	MikeMirzayanov Stepavly Supermagzzz	Jan/04/2021 22:35UTC+8	02:00	Before start 22:51:10	Registration completed 
Codeforces Round #694 (Div. 1)		Jan/05/2021 22:35UTC+8	02:00	Before start 46:51:10	Register »  x309 Until closing 46:46:10 *has extra registration 
Codeforces Round #694 (Div. 2)		Jan/05/2021 22:35UTC+8	02:00	Before start 46:51:10	Register »  x4054 Until closing 46:46:10 *has extra registration 
Codeforces Round #695 (Div. 2)	DS007	Jan/08/2021 22:35UTC+8	02:00	Before start 5 days	Before registration 4 days

Contest history

3. 注册完成后会有 **Registration completed** 的字样。这样你打计分的比赛你会计分了。

交题目

以goodbye 2020为例。

Problems

#	Name			
A	Bovine Dilemma	standard input/output 1 s, 256 MB		x16475
B	Last minute enhancements	standard input/output 1 s, 256 MB		x14976
C	Canine poetry	standard input/output 2 s, 256 MB		x10106
D	13th Labour of Heracles	standard input/output 2.5 s, 256 MB		x6987
E	Apollo versus Pan	standard input/output 2 s, 256 MB		x4266
F	Euclid's nightmare	standard input/output 2 s, 256 MB		x1929
G	Song of the Sirens	standard input/output 2 s, 256 MB		x461
H	Finding satisfactory solutions	standard input/output 5 s, 1024 MB		x37
I	The Riddle of the Sphinx	standard input/output 1 s, 256 MB		x28

[Complete problemset](#)

[Ask a question](#)

Good Bye 2020

Finished

Practice



→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[Start virtual contest](#)

→ Practice

You are registered for practice. You can solve problems unofficially. Results can be

右边16475 14976 10106 这些是通过的人数，你可以通过人数判断题目难度，在比赛过程中也可以通过这个调整做题策略。

一般来说难度是按照顺序递增，但由于种种情况，可能会存在d题比c题简单，或者e题很水，b题很难的情况。

My contest submissions

#	When	Who	Problem	Lang	Verdict	Time	Memory
102848054	Dec/31/2020 00:58 UTC+8	DrinkMoreBoilingWater	F - Euclid's nightmare	GNU C++17	Happy New Year!	514 ms	37500 KB
102826378	Dec/30/2020 23:55 UTC+8	DrinkMoreBoilingWater	E - Apollo versus Pan	GNU C++17	Happy New Year!	686 ms	11800 KB
102825623	Dec/30/2020 23:53 UTC+8	DrinkMoreBoilingWater	E - Apollo versus Pan	GNU C++17	Runtime error on pretest 2	30 ms	0 KB
102815775	Dec/30/2020 23:32 UTC+8	DrinkMoreBoilingWater	D - 13th Labour of Heracles	GNU C++17	Happy New Year!	249 ms	25800 KB
102808586	Dec/30/2020 23:19 UTC+8	DrinkMoreBoilingWater	C - Canine poetry	GNU C++17	Happy New Year!	46 ms	2200 KB
102785380	Dec/30/2020 22:47 UTC+8	DrinkMoreBoilingWater	B - Last minute enhancements	GNU C++17	Happy New Year!	61 ms	7800 KB
102777044	Dec/30/2020 22:40 UTC+8	DrinkMoreBoilingWater	A - Bovine Dilemma	GNU C++17	Happy New Year!	31 ms	4100 KB

点击my submissions 之后会看到你的提交记录。



点击standings之后会看到榜，如下：

Good Bye 2020

Final standings

C++	C	Java	Kotlin	C#	Python 2	Python 3	PyPy	D	Go	Rust	Pascal	JS	Perl	PHP	Ruby	Haskell	Ocaml	Scala
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You may double click into cells (or ctrl+click) to view the submissions history or hack the solution

Standings														
#	Who	=	*	A 500	B 750	C 1000	D 1000	E 1500	F 1750	G 2500	H 3500	I 4000		
1	tourist	10998		499 00:01 (0)	744 00:03 (0)	984 00:06 (0)	976 00:09 (0)	1444 00:14 (0)	1662 00:19 (0)	2187 00:47 (0)	2502 01:47 (0)			
2	maroonrk	10919		499 00:01 (0)	742 00:04 (0)	976 00:09 (0)	966 00:13 (0)	1428 00:18 (0)	1634 00:25 (0)	2120 00:57 (0)	2554 01:36 (1)			
3	Benq	10726		499 00:01 (0)	746 00:02 (0)	984 00:06 (0)	960 00:15 (0)	1428 00:18 (0)	1528 00:37 (1)	2154 00:52 (0)	2427 01:55 (0)	-3		
4	scott_wu	10626		492 00:06 (0)	746 00:02 (0)	987 00:05 (0)	974 00:10 (0)	1436 00:16 (0)	1634 00:25 (0)	1967 01:05 (2)		2390 02:31 (0)		
5	fivedemands	10617		499 00:01 (0)	686 00:07 (1)	966 00:13 (0)	952 00:18 (0)	1408 00:23 (0)	1615 00:29 (0)	1547 02:23 (0)		2944 01:39 (0)		
6	Um_nik	10550		498 00:02 (0)	742 00:04 (0)	982 00:07 (0)	952 00:18 (0)	1412 00:22 (0)	1615 00:29 (0)	2174 00:49 (0)	2175 02:22 (0)			
				499	744	979	963	1420	1620	1857		2443		

双击一下就能看别人代码。

点击friend standings 就能看好友的情况。

提交代码时候，你可以文件方式，也可以复制粘贴代码。

Submit solution
Good Bye 2020

Problem: Choose problem ▼ 选择交哪个题

Language: GNU G++17 7.3.0 ▼ 选择语言

Source code:

1

用文件方式

☐ Switch off editor 此块地方粘贴你的代码

Or choose file: 选择文件 未选择任何文件 用文件方式

Tab size: 4

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except

选语言时候一般用GNU G++ 系列，一般选GNU G++ 11 5.1.0 就行。

如果你用了__int128 选GNU G++ 17 9.2.0 (64bit ,msys 2)

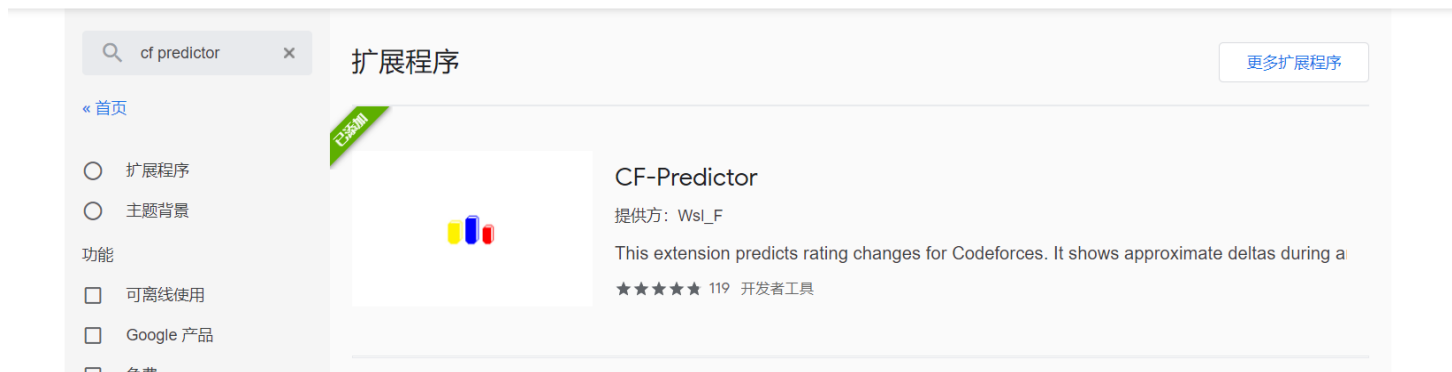
有时候存在选11能ac 选17 tle，这种情况是正常的。还有一些情况（用一种ac用另一种ce）可能你的代码写出了ub（undefined behavior）了，就是你认为这样写是这样的但是编译器没给定义，这种时候挺糟糕的。。

emmm，最快的话一般是14，但是14在某些情况下因为大力优化导致没有11表现好，如果没有用到17的特性的话一般用11交是比较好的。（当然如果你出现17ac 11tle的情况我也不敢保证，但我觉得不会出现这样的情况把qwq?）

CF-Predictor 插件

预测自己升降多少分。

<https://chrome.google.com/webstore/search/cf predictor?hl=zh-CN>



他山之石

<https://www.luogu.com.cn/blog/ezoixx130/codeforces-tutorial>