

ITMO UNIVERSITY

Introduction to Competitive Programming

Week 1

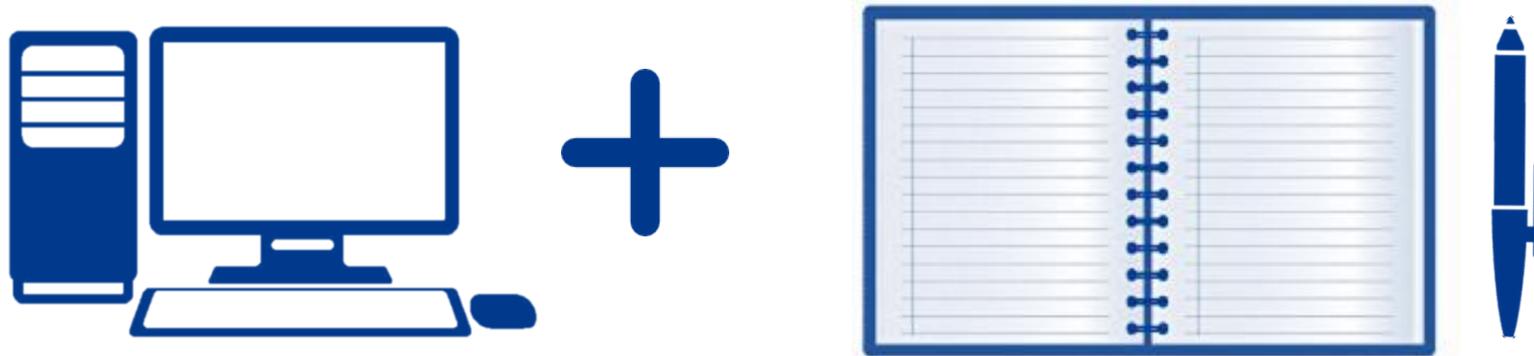
Welcome to competitive programming

Rules of programming competitions

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Saint Petersburg, 2016

Rules of programming competition



Statement

Regional Olympiad of Students
St Petersburg, October 24, 2015

Problem E. Easy Arithmetic

Input file: `easy.in`
 Output file: `easy.out`
 Time limit: 2 seconds
 Memory limit: 256 megabytes

Name

input/output files

time/memory limits

Eva is a third-grade elementary school student. She has just learned how to perform addition and subtraction of arbitrary-precision integers. Her homework is to evaluate some expressions. It is boring, so she decided to add a little trick to the homework. Eva wants to add some plus and minus signs to the expression to make its value as large as possible.

Input

The single line of the input file contains the original arithmetic expression. It contains only digits, plus ('+') and minus ('-') signs.

The original expression is correct, that is:

- numbers have no leading zeroes;
- there are no two consecutive signs;
- the last character of the expression is a digit.

The length of the original expression does not exceed 1000 characters.

input/output formats

Output

Output a single line — the original expression with some plus and minus signs added. Output expression must satisfy the same correctness constraints as the original one. Its value must be as large as possible.

examples

Examples

<code>easy.in</code>	<code>easy.out</code>
10+20-30	10+20-3+0
-3-4-1	-3-4-1
+10	+10

Testing system

Locale English ▾

PCMS2 Client
INFORMATION MONITOR SUBMIT RUNS QUESTIONS LOGOUT

Information

Login name pi01
Contestant Peking University: Crawl
Contest Beijing University training camp, upsolving
Status RUNNING, 212211:29 of 600000:00

Templates

[Java template](#)
[Large stack in Python](#)

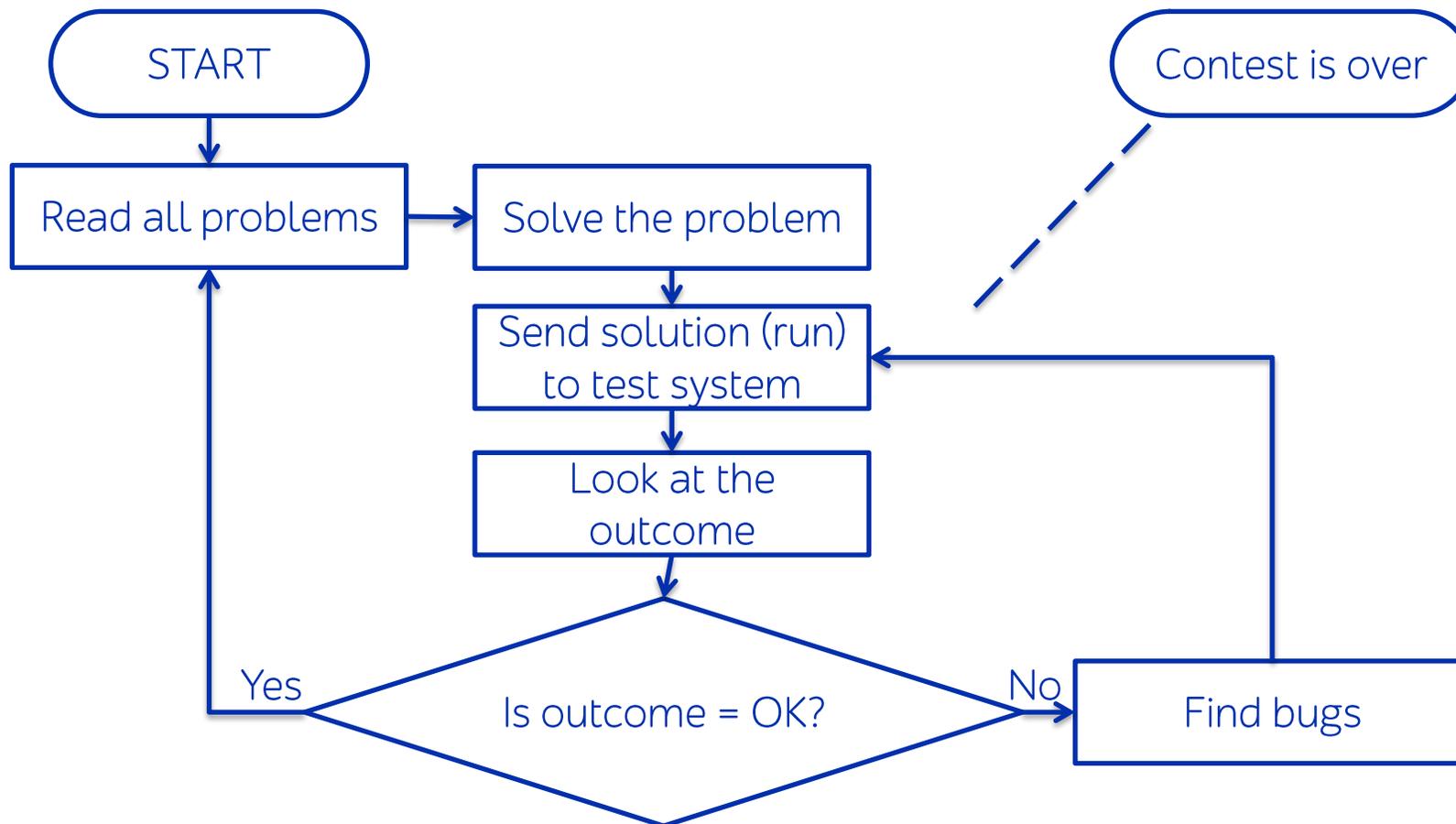
Messages

14:16	Problem 03-G, attempt 8: Accepted
14:12	Problem 03-G, attempt 7: Wrong answer (test 1)
14:12	Problem 03-G, attempt 6: Idleness limit exceeded (test 1)
14:10	Problem 03-G, attempt 5: Wrong answer (test 3)
14:08	Problem 03-G, attempt 4: Wrong answer (test 5)
14:05	Problem 03-G, attempt 3: Wrong answer (test 1)
13:58	Problem 03-G, attempt 2: Wrong answer (test 1)
13:57	Problem 03-G, attempt 1: Idleness limit exceeded (test 1)
09:23	Problem 05-G, attempt 13: Accepted
09:23	Problem 05-G, attempt 12: Time limit exceeded (test 23)
09:22	Problem 05-G, attempt 10: Wrong answer (test 6)
09:22	Problem 05-G, attempt 11: Wrong answer (test 6)
08:58	Problem 05-G, attempt 9: Wrong answer (test 3)
08:57	Problem 05-G, attempt 8: Wrong answer (test 3)
08:49	Problem 05-G, attempt 7: Wrong answer (test 4)
08:46	Problem 05-G, attempt 6: Wrong answer (test 6)
08:39	Problem 05-G, attempt 5: Time limit exceeded (test 23)
08:37	Problem 05-G, attempt 4: Time limit exceeded (test 23)
08:32	Problem 05-G, attempt 3: Time limit exceeded (test 23)
08:15	Problem 05-G, attempt 2: Wrong answer (test 3)
07:25	Problem 05-G, attempt 1: Wrong answer (test 3)
06:24	Problem 04-F, attempt 1: Wrong answer (test 1)

Outcomes

Outcome	Test Number	Comment
Compilation error	No	Executable file was not created after compilation.
Time limit exceeded	Yes	The program exceeds the time limit.
Memory limit exceeded	Yes	The program exceeds the memory limit.
Runtime error	Yes	The program terminates with non-zero exit code or throws an uncaught OS exception.
Presentation error	Yes	The checker cannot check output because it does not match the format specified in the problem statement.
Wrong answer	Yes	The answer is not correct.
Accepted	No	Run is accepted.

Contest steps



Standings

5:00:00 of 5:00:00
status: over

runs: 3161, accepted: 924
last success: Tashkent University of Information Technologies Uranch 2 (Yusupov, Aminov, Sultonov), J, 4:59:59

Show time

Rank	Team	A	B	C	D	E	F	G	H	I	J	K	=	Time
1	SPb ITMO University 1 (Korotkevich, Minaiev, Vasilyev)	+	+1	0	+1	+	+	-16	.	+1	+	+	9	761
2	Moscow State University 1 (Evstropov, Pyaderkin, Omelyanenko)	+	+1	+2	+	+	+	.	.	+	+	+	9	930
3	Moscow State University 3 (Shlyunkin, Gorbunov, Akhmedov)	+	+1	.	.	+	+1	.	.	+	+1	+	7	568
4	Moscow State University 2 (Cherepanov, Dubinin, Mokin)	+1	+1	.	-1	+	+	.	.	+	+	+	7	574
5	Moscow Institute of Physics and Technology 5 (Kuzmichev, Surin, Pershakov)	+	+	.	+	-1	+	.	.	+	+	+	7	686
6	Saratov State University 2 (Svechnikov, Frolov, Los)	+	+	.	-1	+	+	.	.	+	+	+	7	695
7	SPb State University 4 (Gordeev, Sayfutdinov, Simonov)	+	+2	.	.	+	+	-1	.	+	+	+	7	751
8	Saratov State University 1 (Kudasov, Gusarov, Kudryashov)	+	+	.	+2	-2	+	.	.	+	+1	+	7	755
9	Moscow Institute of Physics and Technology 1 (Semenov, Zhuk, Ivaschenko)	+	+	.	.	+	+	-4	.	+	+1	+	7	764
10	SPb Academic University 1 (Akimov, Karpov, Sluzhaev)	+2	+	.	+6	+	+1	.	.	-2	+	+	7	892
11	SPb ITMO University 2 (Bardashevich, Filippov, Yakutov)	+2	+	.	.	+1	+1	.	.	+	+	+	7	934
12	SPb State University 1 (Andreev, Sokolov, Pyskhin)	+	+	.	+5	+3	+	.	.	.	+1	+	7	992
13	Moscow Institute of Physics and Technology 2 (Mashrabov, Tikhomirov, Chebanov)	+	+4	.	.	+5	+	.	.	+1	+2	+	7	1162
14	Belarusian State University 1 (Hrytskevich, Kolesau, Nekrashevich)	+	+	.	.	-3	+	.	.	-6	+	+	6	305
15	SPb ITMO University 3 (Belonogov, Zban, Podtelkin)	+	+1	.	.	-10	+	.	.	+	+	+	6	421
16	Belarusian SU of Information and Radioelectronics 2 (Tanasiuk, Berezhnov, Astashkevich)	+	+1	.	.	+3	+1	.	.	+	+	+	6	557
17	NU of Science and Technology MISiS 1 (Skoryukina, Chernov, Bulatov)	+1	+	.	.	+	+	.	.	-5	+	+	6	573
18	Free U of Tbilisi 1 (Mandzulashvili, Guliashvili, Svanidze)	+	+3	.	.	-5	+	.	.	-9	+1	+	6	580
19	SPb State University 3 (Malinovskii, Savchenkov, Avdyukhin)	+	+	.	.	-1	+	-4	.	+	+	+2	6	587
20	Moscow Aviation Institute 1 (Mishonov, Belousov, Yushchenko)	+1	+1	.	.	-1	+	.	.	+	+1	+	6	646
21	Belarusian State Economic University (Charnevich, Stsepa, Sashcheka)	+1	+1	.	.	+1	+	-3	.	-1	+1	+	6	661
22	Higher School of Economics 2 (Mokriy, Trofimov, Sayranov)	+1	+1	.	.	.	+1	-1	.	+3	+1	+1	6	678
23	SPb ITMO University 4 (Garder, Kucherenko, Kovsharov)	+1	+4	.	.	-6	+1	.	.	+1	+1	+	6	682
24	Kazan Federal University (Gainitdinov, Butin, Yamilov)	+	+1	.	.	.	+	-2	.	+2	+	+	6	714
25	Belarusian State University 3 (Satanuski, Ivanin, Nalivaika)	+	+2	.	.	-1	+	.	.	+1	+1	+1	6	716

teams

accepted,
two wrong
submits

rejected,
16 wrong
submits

total problems

problems

penalty