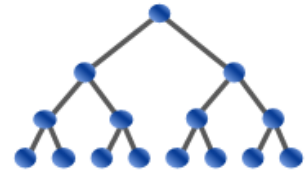


# USA Computing Olympiad

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## CONTEST IS RUNNING!

Contest: **USACO 2024 December Contest, Bronze**

Remaining time: **0 hr, 21 min, 23 sec**

Click a problem below to view the problem text and submit solutions:

- 1 Roundabout Rounding**  
*Submitted and Graded*
- 2 Farmer John's Cheese Block**  
*Submitted and Graded*
- 3 It's Mooin' Time**  
*Submitted and Graded*

## YOUR ACCOUNT

Welcome, **Priyanshu Lal**

[Edit Account Settings](#)[Logout](#)

## CLARIFICATIONS

Gold problem 2: there was an error in the explanation of sample input 2, which is now corrected.

## DECEMBER 2024 CONTEST DETAILS

The USACO 2024 December contest is available December 13 through December 16. Participation is free, and open to all, although only high-school (pre-college) students in the USA are eligible for selection as finalists to attend the USACO training camp and to compete for the USA IOI team.

**Technical Notes:** Our judging servers support C++17, Python 3.6, and Java 11. Further specifics can be found in the [contest rules](#). Participants are highly encouraged to read these carefully, as they highlight some of our key contest regulations (e.g., previously-written code or code from external sources or generative AI is NOT allowed). Note that sample cases are not counted towards one's final score (they still must be solved along with all other cases for an "in-contest" promotion).

Another important note: if you use an online development environment like "replit", be sure your code is NOT made available to the public during the contest (as appears to be the case with free replit accounts). It is your responsibility to safeguard your code during the contest, and if others upload it due to your making it viewable to the public, you will be disqualified.

The contest is available in four divisions: bronze, silver, gold, and platinum. All returning participants start out in their former divisions, and new participants start out in the bronze division. The contest is for individuals only, not teams.

**Note regarding the gold and platinum contests:** For participants in these contests, you will earn a *certified* score if you start the contest between 12:00 and 12:15 eastern time (ET) on Saturday, Dec 14. Certified scores carry more weight during finalist selection, as explained on the [usaco.org](#) homepage. This special timing currently only affects the gold and platinum contests. That is, gold and platinum problems become available only at noon ET on Dec 14, while all other divisions launch the morning of Dec 13. NOTE: If you are planning for a certified score, please make sure you remember your password and can log into your account PRIOR TO THE 15-MINUTE START WINDOW for certified contests -- sometimes password resets don't work instantly, for example due to email delivery issues, and if there is an issue resetting your password it may not be possible to remedy this during the limited time of the certified contest start window.

Participants who score particularly well in their current division will be promoted to the next division for future contests (promotion criteria is announced at the end of the contest and varies on a per-contest basis, since every contest is different). Promotion within a contest is also possible, if you achieve a perfect score. For

promotion from gold to platinum, this score must also be certified. If you are promoted within a contest, you will be able to take higher-level contests with a full clock (no penalty based on the time already spent on earlier contests).

Each contest has 3 problems to which you will submit solution programs in C, C++, Java, or Python. Problems are algorithmic in nature, and your score for each problem depends on the number of input cases your program can solve within the time limit (for this contest: 2 seconds per input case for C and C++, and 4 seconds per input case for Java and Python). If your program correctly solves the sample input case (included in the text of each problem), you will receive feedback on how it performs on each of our judging inputs. For example, you will be told if your program produced the right answer, timed out, experience a run-time error, etc. Note that although you receive this feedback, the remaining judge inputs beyond the sample case are not disclosed during the contest. Problems are intended to be challenging; it is rarely the case that a large number of competitors receive near-perfect scores!

The contest is 4 contiguous hours in length. You can take the contest during any 4-hour block of time you want during the larger contest window from Dec 13 through Dec 16. When you start the contest, your personal 4-hour timer starts counting down, and you will be able to view the contest problems and submit solutions via this website. The contest closes Dec 16 at 23:59 UTC-12 time (even if your personal clock is still running at that time, so do not wait until the very last minute to start!).

Results will be posted on this website shortly after the end of the contest.

## INSTRUCTIONS AND RULES

Detailed contest instructions and rules are available [here](#). Please read them if you have not already done so. Note that if you program in Java, there are special requirements to follow (e.g., submitting your entire program in one file), which are outlined in the instructions. Please email the contest director ([bcdean@clemson.edu](mailto:bcdean@clemson.edu)) if you come across any technical problems.

## LANGUAGE AVAILABILITY

The contest is currently available in the following languages: en, fr, es, zh, ru. Additional translations may become available later in the contest.

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