Fraction to Recurring Decimal

Try to solve the Fraction to Recurring Decimal problem.

We'll cover the following
Statement
Examples
Understand the problem
Figure it out!

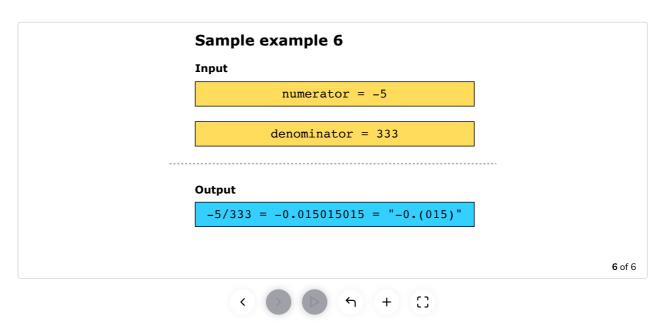
Statement

Given the two integer values of a fraction, numerator and denominator, implement a function that returns the fraction in string format. If the fractional part repeats, enclose the repeating part in parentheses.

Constraints:

- denominator ! = 0
- ullet $-2^{31} \leq {\sf numerator}, {\sf denominator} \leq 2^{31}-1$

Examples



Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



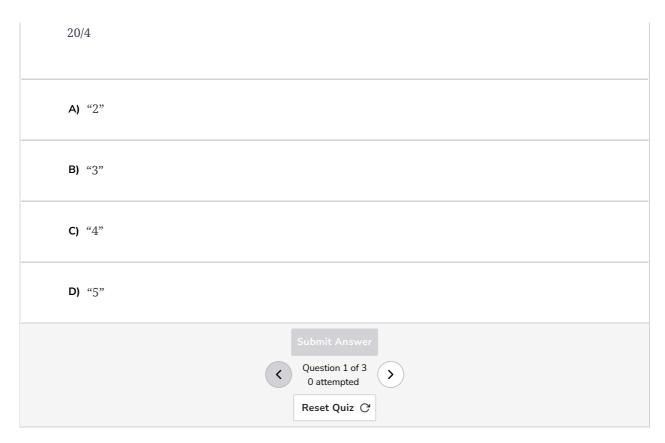
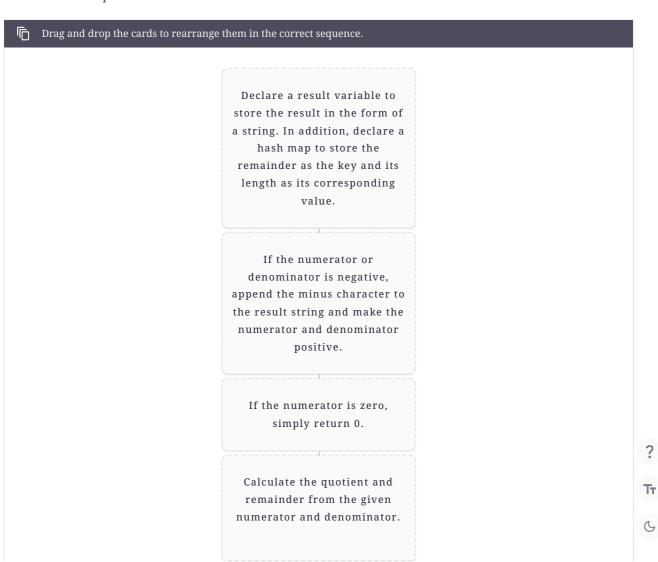
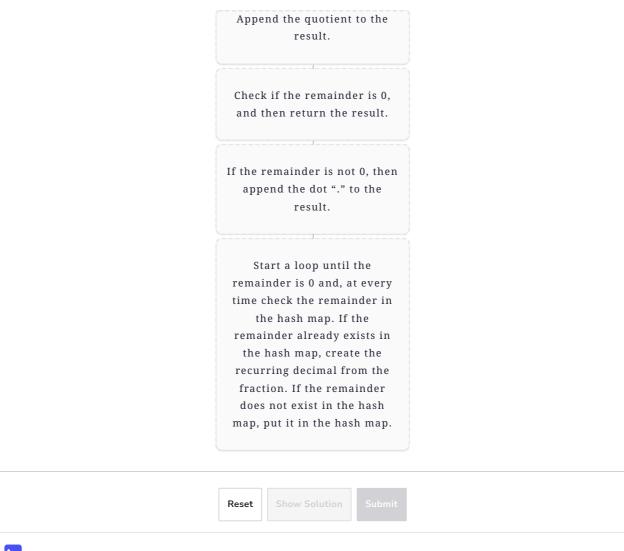


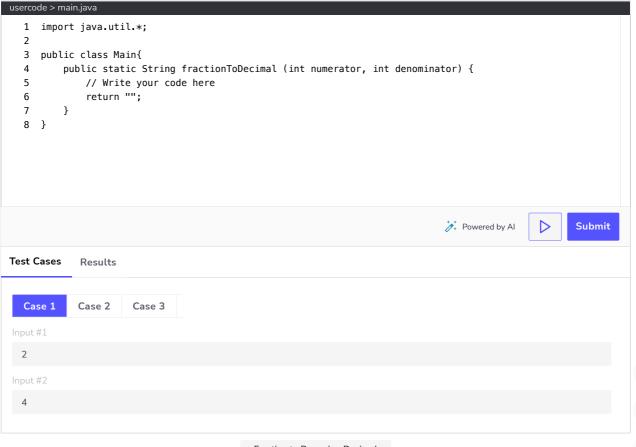
Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.









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Solution: Design Hash...



Solution: Fraction to R...



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