

## Fraction

Some observation:

- $0.12345 = 12345 / 100000$
- $0.(123) = 123 / 999$
- $0.0(123) = 123 / 9990$

So, to solve this problem, you need to split the number into three parts: Integer, fraction and repeated fraction. Then add these parts together. When add these fractions together, you must be careful to avoid overflow. One way to be sure is to use Java BigInteger.

[My code](#)