
Rounding

P92613_en

Write a program that reads a real number $x \geq 0$ and prints $\lfloor x \rfloor$ (the floor of x), $\lceil x \rceil$ (the ceiling of x), and the rounding of x .

Input

Input consists of a real number $x \geq 0$.

Output

Print the floor of x , the ceiling of x , and the integer number closer to x ($\lceil x \rceil$ if there is a tie).

Sample input 1

4.5

Sample output 1

4 5 5

Sample input 2

0.999999

Sample output 2

0 1 1

Sample input 3

123345.33

Sample output 3

123345 123346 123345

Sample input 4

1500000000

Sample output 4

1500000000 1500000000 1500000000

Problem information

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