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	Sample output 1
4.5	4 5 5

Sample input 2	Sample output 2
0.999999	0 1 1

Sample input 3	Sample output 3
123345.33	123345 123346 123345

Sample input 4	Sample output 4
1500000000	1500000000 1500000000 1500000000

Problem information

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