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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