A. Little C Loves 3 I

time limit per test
1 second
memory limit per test
256 megabytes
input
standard input
output
standard output

Little C loves number «3» very much. He loves all things about it.

Now he has a positive integer n. He wants to split n into 3 positive integers a,b,c, such that $a+b+c=n$ and none of the 3 integers is a multiple of 3. Help him to find a solution.

Input

A single line containing one integer n ($3 \leq n \leq 10^9$) — the integer Little C has.

Output

Print 3 positive integers a,b,c in a single line, such that $a+b+c=n$ and none of them is a multiple of 3.

It can be proved that there is at least one solution. If there are multiple solutions, print any of them.

Examples

input

Copy

```
3
```

output

Copy

```
1 1 1
```

input

Copy

```
233
```

output

Copy

```
77 77 79
```