A. Holidays

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

On the planet Mars a year lasts exactly n days (there are no leap years on Mars). But Martians have the same weeks as earthlings — 5 work days and then 2 days off. Your task is to determine the minimum possible and the maximum possible number of days off per year on Mars.

Input

The first line of the input contains a positive integer n ($1 \le n \le 1\,000\,000$) — the number of days in a year on Mars.

Output

Print two integers — the minimum possible and the maximum possible number of days off per year on Mars.

Examples

input

Copy

```
14
```

output

Copy

```
4 4
```

input

Copy

```
2
```

output

Copy

```
0 2
```

Note

In the first sample there are 14 days in a year on Mars, and therefore independently of the day a year starts with there will be exactly 4 days off .

In the second sample there are only 2 days in a year on Mars, and they can both be either work days or days off.