AWESOME Number

We say a number is AWESOME if it is prime and has 1 in its ones place. You are given a number N and you are asked to answer how many AWESOME numbers are not greater than N.

Input
The input consists of a single integer N (1 <= N <= 20,000,000).

Output
You should print **one line** containing a single integer, the number of awesome numbers that are no larger than N.

Example 1

```
Input:
6

Output:
0
```

Example 2

```
Input:
11

Output:
1
```

Example 3

```
Input:
100

Output:
5
```