

MY FAVOURITE DIGIT PROBLEM

Simply speaking, you need to know how to handle your numbers well. Given an integer, what is the largest digit present in that number?

The input file **digits.txt** will contain 5 or more lines, integers $0 \leq N \leq 1,000,000$.

The output will display a single integer $0 \leq n \leq 9$ -- the largest digit present in the corresponding input number.

Sample Input (digits.txt)

```
1
10
102
1025
9999
```

Sample Output:

```
1
1
2
5
9
```