

Index at the minimum digit

Find the index of the minimum digit of a natural number N .

Input

You need to enter one natural number from a standard input device that does not exceed 2,000,000,000.

Output

You need to output to the standard output device – the index of the smallest digit in the entered number. If the smallest digit occurs several times print the highest index of them.

Sample Input	Sample Output
123856187	7
18506797	4