

## B. Little Elephant and Numbers

time limit per test: 2 seconds  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

The Little Elephant loves numbers.

He has a positive integer  $x$ . The Little Elephant wants to find the number of positive integers  $d$ , such that  $d$  is the divisor of  $x$ , and  $x$  and  $d$  have at least one common (the same) digit in their decimal representations.

Help the Little Elephant to find the described number.

### Input

A single line contains a single integer  $x$  ( $1 \leq x \leq 10^9$ ).

### Output

In a single line print an integer — the answer to the problem.

### Examples

<b>input</b>
1
<b>output</b>
1

  

<b>input</b>
10
<b>output</b>
2