

## A. Chewbacca and Number

time limit per test

1 second

memory limit per test

256 megabytes

input

standard input

output

standard output

Luke Skywalker gave Chewbacca an integer number  $x$ . Chewbacca isn't good at numbers but he loves inverting digits in them. Inverting digit  $t$  means replacing it with digit  $9 - t$ .

Help Chewbacca to transform the initial number  $x$  to the minimum possible **positive** number by inverting some (possibly, zero) digits. The decimal representation of the final number shouldn't start with a zero.

### Input

The first line contains a single integer  $x$  ( $1 \leq x \leq 10^{18}$ ) — the number that Luke Skywalker gave to Chewbacca.

### Output

Print the minimum possible positive number that Chewbacca can obtain after inverting some digits. The number shouldn't contain leading zeroes.

### Examples

#### input

Copy

27

#### output

Copy

22

#### input

Copy

4545

#### output

Copy

4444