

## H. 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   |      |

### Assiut University Training - Newcomers

Public

Participant



### About Group



Group website

### Group Contests

- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math - Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type - Conditions)

### Sheet #10 (General Hard)

Finished

Practice



### About Time Scaling

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the [link](#).