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CODEFORCES
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PROBLEMS   SUBMIT   STATUS   STANDINGS   CUSTOM TEST

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	

Codeforces Round #291 (Div. 2)

Finished

Practice

⭐

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[Start virtual contest]

→ Clone Contest to Mashup

You can clone this contest to a mashup.

[Clone Contest]

→ Submit?

Language: [GNU G++20 11.2.0 (64 bit, w ▾]

Choose file: [Choose File] No file chosen

[Submit]

→ Contest materials

- Announcement   ✕
- Tutorial   ✕

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