## Problem C. Radix

Input file:<br>radix.in<br>Output file: radix.out<br>Time limit: 5 seconds<br>Memory limit: 256 mebibytes

In this problem, you are given a non-negative decimal integer (written in base 10), and your task is to print its binary representation (in base 2).

## Input

The only one line of input contains the integer $n\left(0 \leqslant n \leqslant 10^{5 \cdot 10^{5}}\right)$ without leading zeroes.

## Output

On the first line of output, print the binary representation of $n$ without leading zeroes.

## Example

| radix.in | radix.out |  |
| :--- | :--- | :--- |
| 10 | 1010 |  |

