## BF Last binary digit

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## English version

Your task is to write as short as possible program in Brainf**k which determines the last digit of given number after it's conversion from decimal to binary system.

## Input

An integer in decimal system consisting of up to 200 digits. There is a newline character (ASCII $10)$ after the given number.

## Output

One digit (1 or 0 ) which is the last digit of given number after it's conversion to binary system.

## Example

Input:
4372667135165131576213

## Output:

1

