# Problem F. Digit Dial Equation

TimeLimit: 1 second
MemoryLimit: 256 megabytes

You are given a string representing a mathematical equation in the format `ABC/DEF=G`. Each character represents a single digit from 0 to 9.

You can perform an operation on any of the seven digits. One operation consists of changing a digit to digit+1 or digit−1. The digits are arranged in a circular dial:

- Incrementing 9 results in 0.
- Decrementing 0 results in 9.

The equation is considered **valid** if it satisfies the following conditions:

- The denominator `DEF` is not equal to 0 (e.g., `000` is not allowed).
- The result of integer division `ABC` / `DEF` exactly equals `G`. (Note: Just like in C++ or Python //, integer division means you divide the numbers and drop the decimal. For example, `150/040` is 3.)

Your goal is to find the minimum number of change to make the equation true.

## Input

A string of 9 characters in the format `ABC/DEF=G`.

## Output

An integer: the minimum operation needed.

## Examples

| standard input | standard output |
|---|---|
| 100/020=5 | 0 |
| 010/003=4 | 1 |
| 099/001=0 | 1 |