Mock CCC '22 Contest 1 J1 - Square Root Decomposition

Time limit: 0.25s **Memory limit:** 256M

Bob is practicing square root decomposition!

The problem Bob is doing involves breaking a number N into B groups. It is said to be optimal if B is closest to $\sqrt{N}$.

He currently has 2 candidates for B: integers i and j. If i and j are squared, which one is closer to N?

The data guarantee that one candidate will be closer than the other.

Constraints

$1 \leq N, i, j \leq 10^4$

$i \neq j$

Input Specification

The first line will contain N.

The second line will contain i.

The third and final line will contain j.

Output Specification

On one line, output `1` if i^2 is closer to N or `2` if j^2 is.

Sample Input 1

```
9
3
4
```

Sample Output 1

```
1
```

Sample Input 2

```
16
5
3
```

Sample Output 2

```
2
```