Problem E. Digit Machine

Time limit   2000 ms
Mem limit   1048576 kB

Problem Statement

There is a device with a screen that shows a single-digit number, and a button.

When the screen is showing a number k, pressing the button once changes the number on the screen to a_k.

The device currently shows 0. After pressing the button 3 times, what will be shown on the screen?

Constraints

- $0 \le a_i \le 9$
- All values in input are integers.

Input

Input is given from Standard Input in the following format:

```
a_0  a_1  ...  a_9
```

Output

Print the answer.

Sample 1

Input	Output
9 0 1 2 3 4 5 6 7 8	7

The number on the screen transitions as $0 \to 9 \to 8 \to 7$.

Sample 2

Input	Output
4 8 8 8 0 8 8 8 8 8	4

The number on the screen transitions as $0 \to 4 \to 0 \to 4$.

Sample 3

Input	Output
0 0 0 0 0 0 0 0 0 0	0