CCC '18 J1 - Telemarketer or not?

Canadian Computing Competition: 2018 Stage 1, Junior #1

Here at the Concerned Citizens of Commerce (CCC), we have noted that telemarketers like to use seven-digit phone numbers where the last four digits have three properties. Looking just at the last four digits, these properties are:

- the first of these four digits is an 8 or 9;
- the last digit is an 8 or 9;
- the second and third digits are the same.

For example, if the last four digits of the telephone number are `8229`, `8338`, or `9008`, these are telemarketer numbers.

Write a program to decide if a telephone number is a telemarketer number or not, based on the last four digits. If the number is not a telemarketer number, we should answer the phone, and otherwise, we should ignore it.

Input Specification

The input will be a 4 lines where each line contains exactly one digit in the range from 0 to 9.

Output Specification

Output either `ignore` if the number matches the pattern for a telemarketer number; otherwise, output `answer`.

Sample Input 1

```
9
6
6
8
```

Sample Output 1

```
ignore
```

Explanation for Sample Output 1

The first digit is 9, the last digit is 8, and the second and third digit are both 6, so this is a telemarketer number.

Sample Input 2

```
5
6
6
8
```

Sample Output 2

```
answer
```

Explanation for Sample Output 2

The first digit is 5, and so this is not a telemarketer number.