First Presence of an Opposite Pair   X88445_en

Write a program that receives on stdin lines containing integers and writes out the first line in which both some number and its opposite appear; the line is to be reported together with the number itself.

Input

The input is a sequence of zero or more lines. Each line cointains zero or more integers, separated by spaces.

Output

Output is the first line of the input in which both some number n and its opposite $-n$ appear, preceded by the non-negative case of the number itself, with ": " (colon-single space) as separator. If several such numbers appear, the earliest-starting pair is to be reported. If there is no such line, the program must write "Not found."

Sample input 1

```
-1 3 -2 -3 1 2
-4 4 -5 5 -6 6
```

Sample output 1

```
1: -1 3 -2 -3 1 2
```

Sample input 2

```
5 -4 3 -2 1
3 2 1 2 3
2 1 0 1 2
111 -111
```

Sample output 2

```
0: 2 1 0 1 2
```

Sample input 3

```
9 8 7 6 5
4 3 2 1
```

Sample output 3

```
Not found.
```

Sample input 4

```
49 38 27 16
101 222 3 -3 222 -101 -222
23 24 -23 -24
```

Sample output 4

```
101: 101 222 3 -3 222 -101 -222
```

Problem information

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