

---

## Smallest 13-5-number

X21587\_en

---

Write a program that provided a sequence of numbers prints the smallest one that is multiple of 13 and has digit 5 —digit 5 appears at least once in the (base 10) representation of the number —.

### Input

The input has one or more cases. Each case consists of a sequence of naturals (integers greater than zero) finished with number zero.

### Output

For each case, the program has to print in a line the smallest number in the sequence that is a multiple of 13 and has the digit 5. If there is no such a number, the program has to write `no one`.

#### Sample input 1

```
25 13 65 5 52 0
13 26 78 1 0
13 26 65 0
0
520 0
```

#### Sample output 1

```
52
no one
65
no one
520
```

### Problem information

Author: ProAl

Generation: 2026-01-25T14:20:44.622Z

© *Jutge.org*, 2006–2026.

<https://jutge.org>