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## Number without zeros

X10549\_en

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Write a program that treats a sequence of integers greater than zero. For each number, the program outputs the value that results from eliminating its 0 digits. For example, eliminating 0 digits from 3097601 results in 39761.

The program must implement and use the following **RECURSIVE** function:

```
// Pre: x > 0
// Post: returns the value of x without 0 digits
int remove_zeros(int x) {
    ...
}
```

**Exam score:** 2.00 **Automatic part:** 40.00%

### Input

The input is a sequence of integers greater than zero.

### Output

For each number, the program outputs the value that results from eliminating its 0 digits.

#### Sample input 1

```
3097601
30970
3004
8
1000000
467
```

#### Sample output 1

```
39761
397
34
8
1
467
```

#### Sample input 2

#### Sample output 2

### Observation

A **non-recursive** implementation of the function **invalidates** the problem.

### Problem information

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