

# Mock CCC '18 Contest 1 J1 - A String Problem

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**Time limit:** 2.0s   **Memory limit:** 1G

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Given a positive integer  $N$  with no zeroes in its base-10 representation, compute the smallest positive integer greater than  $N$  with no zeroes in its base-10 representation.

## Constraints

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$$1 \leq N \leq 999\,999$$

$N$  will not contain the digit zero in its base-10 representation.

## Input Specification

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The input consists of a single line containing the integer  $N$ .

## Output Specification

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Print, on a single line, the smallest positive integer greater than  $N$  with no zeroes in its base-10 representation.

## Sample Input 1

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99
```

## Sample Output 1

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```
111
```

## Sample Input 2

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```
1234
```

## Sample Output 2

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```
1235
```