# The next and the previous palindrome

## Input

The input consist of unknown number (lower than 100) of tests. Each test is a line with two integers **x** and **y** ($0 <= x <= 2*10^9$, length of **y** is at most 1000).

## Output

For each test You should print:

- the next palindrome of **y** - if **x** is even
- the previous palindrome of **y** - if **x** is odd

## Example

**Input:**
10 9029
11 9029

**Output:**
9119
9009

**Note: Leading zeroes don't occur in the input and shouldn't occur in the output.**