Maximizing XOR

Problem Statement

Given two integers, L and R, find the maximal values of A xor B, where A and B satisfy the following condition:

$$L \leq A \leq B \leq R$$

Input Format

The input contains two lines; L is present in the first line and R in the second line.

Constraints
$1 \leq L \leq R \leq 10^3$

Output Format

The maximal value as mentioned in the problem statement.

Sample Input

```
10
15
```

Sample Output

```
7
```

Explanation

The input tells us that $L = 10$ and $R = 15$. All the pairs which comply to above condition are the following:
$10 \oplus 10 = 0$
$10 \oplus 11 = 1$
$10 \oplus 12 = 6$
$10 \oplus 13 = 7$
$10 \oplus 14 = 4$
$10 \oplus 15 = 5$
$11 \oplus 11 = 0$
$11 \oplus 12 = 7$
$11 \oplus 13 = 6$
$11 \oplus 14 = 5$
$11 \oplus 15 = 4$
$12 \oplus 12 = 0$
$12 \oplus 13 = 1$
$12 \oplus 14 = 2$
$12 \oplus 15 = 3$
$13 \oplus 13 = 0$
$13 \oplus 14 = 3$
$13 \oplus 15 = 2$
$14 \oplus 14 = 0$
$14 \oplus 15 = 1$
$15 \oplus 15 = 0$

Here two pairs *(10, 13)* and *(11, 12)* have maximum xor value *7*, and this is the answer.