Maximizing XOR

Given two integers, l and r, find the maximal value of a xor b, where a and b satisfy the following condition:

$$l \leq a \leq b \leq r$$

Input Format

The first line contains the integer l.
The second line contains the integer r.

Constraints

$$1 \leq l \leq r \leq 10^3$$

Output Format

The maximal value of the possible xor operations.

Sample Input 0

```
10
15
```

Sample Output 0

```
7
```

Explanation 0

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.