## Find the max XOR value

You have two integers $\mathbf{L}$ and $\mathbf{R}$, and you are required to find the max xor value of $a$ and $b$ where $L<=a<=R$ and $L<=b<=R$

## Input

Two integers in a line. $L, R<=1 e 9$

## Output

One integer, the answer

## Example

Input:
110
Output:
15

