**XOR PROFIT PROBLEM**

We are given two coins of value x and y. We have to find the maximum of value of a XOR b where x <= a <= b <= y.

**Input Format:**

We are given two integers x and y

**Constraints:**

l <= r <= 1000

**Output Format**

Print the maximum value of a XOR b

**Sample Input**

5

6

**Sample Output**

3

Program-

#include<iostream>

using namespace std;

int main ()

{

int x,y,ans=0,z,i,j;

cin>>x>>y;

for(i=x;i<=y;i++)

{

for(j=x;j<=y;j++)

{

z=(i^j);

ans=max(ans,z);

}

}

cout<<ans<<endl;

return 0;

}