```c
/*Bitwise Operators Objective:
Learn how to work with bits (0,1) and bitwise o
#include <stdio.h>
void calculate_the_maximum(int n, int k) {
    int a=0,o=0,x=0;
    for(int i=1;i<n;i++)
    {
        for(int j=i+1;j<=n;j++)
        {
            if((i&j)<k && (i&j)>a)
                a=i&j;
            if((i|j)<k && (i|j)>o)
                o=i|j;
            if((i^j)<k && (i^j)>x)
                x=i^j;
            printf("%d %d %d\n",a,o,x);
        }
    }
     printf("%d\n%d\n%d",a,o,x);
}
int main() {
    int n, k;

    scanf("%d %d", &n, &k);
    calculate_the_maximum(n, k);

    return 0;
}
/*Sample Input:
5 4

Sample Output:
2
3
3 */
```