

DAILY ONLINE ACTIVITIES SUMMARY

Date:	08/06/2020	Name:	Raghavendra s
Sem & Sec	8 sem B sec	USN:	4AL16CS071
Online Test Summary			
Subject	SMS		
Max. Marks	60	Score	48
Certification Course Summary			
Course	Introduction to R		
Certificate Provider	greatlearning	Duration	3.00hrs
Coding Challenges			
Problem Statement:			
Status: Solved			
Uploaded the report in Github		Uploaded	
If yes Repository name		Raghavendra s	
Uploaded the report in slack		yes	

Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

online certificate



CONTENT

ASSESSMENTS

Intro to R for Analytics Overview



Intro to R for Analytics Outline

55s



Course Overview

Reference Material

Introduction to R



R_Overview & Preliminary Steps

20m



Data Types

10m



Data Structures

25m



ONLINE CODDING

This challenge will let you learn about bitwise operators in C.

Inside the CPU, mathematical operations like addition, subtraction, multiplication and division are done in bit-level. To perform bit-level operations in C programming, bitwise operators are used which are explained below.

- Bitwise AND operator & The output of bitwise AND is 1 if the corresponding bits of two operands is 1. If either bit of an operand is 0, the result of corresponding bit is evaluated to 0. It is denoted by &.
- Bitwise OR operator | The output of bitwise OR is 1 if at least one corresponding bit of two operands is 1. It is denoted by |.
- Bitwise XOR (exclusive OR) operator ^ The result of bitwise XOR operator is 1 if the corresponding bits of two operands are opposite. It is denoted by ^.

For example, for integers 3 and 5,

3 = 00000011 (In Binary)

5 = 00000101 (In Binary)

AND operation	OR operation	XOR operation
00000011	00000011	00000011
& 00000101	00000101	^ 00000101
00000001 = 1	00000111 = 7	00000110 = 6

Task

Given set , find:

- the maximum value of which is less than a given integer , where and (where) are two integers from set .
- the maximum value of which is less than a given integer , where and (where) are two integers from set .
- the maximum value of which is less than a given integer , where and (where) are two integers from set .

Input Format

The only line contains space-separated integers, and , respectively.

Constraints

-
-

Output Format

- The first line of output contains the maximum possible value of .
- The second line of output contains the maximum possible value of .
- The second line of output contains the maximum possible value of .

Sample Input 0

5 4

Sample Output 0

2
3
3

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^ 00000101

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Sample Input 0

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Sample Output 0

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Program

```
void calculate_the_maximum(int n, int k) {  
    int maxAnd = 0;  
    int maxOr = 0;  
    int maxXor = 0;  
  
    for (int i=1; i<=n; i++) {
```

```
for (int j=i+1; j<=n; j++) {  
    if (((i&j) > maxAnd) && ((i&j) < k)) {  
        maxAnd = i&j;  
    }  
    if (((i|j) > maxOr) && ((i|j) < k)) {  
        maxOr = i|j;  
    }  
    if (((i^j) > maxXor) && ((i^j) < k)) {  
        maxXor = i^j;  
    }  
}  
}  
  
printf("%d\n%d\n%d\n", maxAnd, maxOr, maxXor);  
}
```