Logic And

Symbol: &

Example AND operation(&)

Function find_AND in C/C++ language :

```
int find_AND (int n, int k){
  int max_bitwise=0;
  for(int i=1;i<=n;i++){
    for(int j=i+1;j<=n;j++){
      int bitwise=i&j;
      if(max_bitwise<bitwise && bitwise<k){
        max_bitwise=bitwise;
      }
    }
  }
  return max_bitwise;
}</pre>
```

Logic Or

Symbol: |

Example OR operation(|)

Function find_OR in C/C++ language:

```
int find_OR (int n, int k){
  int max_bitwise=0;
  for(int i=1;i<=n;i++){
    for(int j=i+1;j<=n;j++){
      int bitwise=i|j;
      if(max_bitwise<bitwise && bitwise<k){
        max_bitwise=bitwise;
      }
    }
  }
  return max_bitwise;
}</pre>
```

Logic XOR

Symbol: ^

Example XOR operation(^)

Function find_XOR in C/C++ language :

```
int find_XOR (int n, int k){
  int max_bitwise=0;
  for(int i=1;i<=n;i++){
    for(int j=i+1;j<=n;j++){
      int bitwise=i^j;
      if(max_bitwise<bitwise && bitwise<k){
        max_bitwise=bitwise;
      }
    }
  }
  return max_bitwise;
}</pre>
```