#include <stdio.h>

#include <string.h>

#include <math.h>

#include <stdlib.h>

void calculate\_the\_maximum(int n, int k) {

int max\_and = 0;

int max\_or = 0;

int max\_xor = 0;

for (int a = 1; a < n; a++) {

for (int b = a + 1; b <= n; b++) {

int and\_val = a & b;

int or\_val = a | b;

int xor\_val = a ^ b;

if (and\_val < k && and\_val > max\_and) {

max\_and = and\_val;

}

if (or\_val < k && or\_val > max\_or) {

max\_or = or\_val;

}

if (xor\_val < k && xor\_val > max\_xor) {

max\_xor = xor\_val;

}

}

}

printf("%d\n", max\_and);

printf("%d\n", max\_or);

printf("%d\n", max\_xor);

}

int main() {

int n, k;

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

calculate\_the\_maximum(n, k);

return 0;

}