

B. QR code

time limit per test: 2 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

Input

The input contains two integers a_1, a_2 ($0 \leq a_i \leq 32$), separated by a single space.

Output

Output a single integer.

Examples

input
1 1
output
0
input
3 7
output
0
input
13 10
output
1