ICPC Assiut University Community





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PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

F. Adding Bits

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

Peter Parker had worked hard throughout his digital logic course, but when he was asked to implement a 32 bit adder for a machine, he made a mistake in the design part. After tracing the design for half an hour, he found his flaw!! He was doing bitwise addition, but the carry bit is always zero.

 $4 = 00000000 \ 00000000 \ 00000000 \ 00000100$

+

 $6 = 00000000 \ 00000000 \ 00000000 \ 00000110$

=

Now, he has to write an efficient program that would take 2 unsigned 32 bit decimal numbers as input, and reproduce the output by adding them in the same way as his circuit does.

Input

Only One line containing two decimal numbers A and B ($0 \le A, B \le 10^9$).

Output

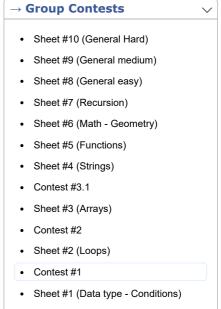
Print the value after adding A and B in Peter Parker's way.

Examples

input	Сору
4 6	
output	Сору
2	
input	Сору
6 9	
output	Сору
15	

Assiut University Training Newcomers Public Participant





Contest #1	
Finished	
Practice	
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