Problem E. Evaluate It and Back Again

Time limit: 3 seconds
Memory limit: 1024 megabytes

Aidan and Nadia are long-time friends with a shared passion for mathematics. Each of them has a favorite number: Aidan's favorite number is p, and Nadia's is q.

To commemorate their friendship, their friends want to make a present: a plaque with an arithmetic expression whose value is equal to their favorite numbers. At first glance, it sounds impossible, but the answer is simple: Aidan reads *left-to-right*, while Nadia reads *right-to-left*, so the same expression can have different values for them.

For example, if `2023-12-13` is written on the plaque, then Aidan would calculate the result as $2023 - 12 - 13 = 1998$, and Nadia would calculate it as $31 - 21 - 3202 = -3192$.

Find an arithmetic expression that, when read left-to-right, evaluates to p, and, when read right-to-left, evaluates to q. Its length must be at most 1000 characters. It's guaranteed that such an expression exists for all valid inputs.

Input

The first line of the input contains two integers p and q ($-10^{18} \le p, q \le 10^{18}$).

Output

Print the expression without spaces or line breaks. It can only contain digits 0 through 9, '`+`', '`-`', and '`*`' characters.

The expression must contain at most 1000 characters. Leading zeros in numbers are not allowed (the only exception is the notation '`0`' representing the number 0) in both the expression and its reverse. Use of unary '`+`' or '`-`' is not allowed. The expression must be well-formed in both directions. The calculation uses the standard operator precedence.

Examples

standard input	standard output
1998 -3192	2023-12-13
413 908	12*34+5