## ROMAN NUMERALS

You are given two numbers in Roman system(modern Roman Numerals) and an operator. Output is the result in roman system.

## Input

You are given two space separted number in roman system and after space an operator on the same line.Operator can be $+,-, /, *, \%$.

Numbers $a, b: 1<=a, b<5000$
eg:4000=MMMM, for numbers $>=4000$, you should use MMMM.....
for others as per definition
Input consists of 5 testcases.

## Output

Output is the result<5000 of performing the operation. Print on separte line

## Example

Input:
LX XV +
X V *
Output:
LXXV
L
//problem placement changed to challenge

