Your task is to implement a simple Roman Calculator which accepts two Roman Numerals and outputs the sum in Roman Numerals. You may assume that numbers greater than 1000 will not occur in the input. Output numbers greater than 1000 are illegal and should generate the message “error” and allow the user to re-enter.

Save your program as Roman\_yourName

## Roman Research

The Roman Numerals used by the Romans evolved over many years, and so there are some variations in the way they are written. We will use the following definitions:

1. The following symbols are used: I for 1, V for 5, X for 10, L for 50, C for 100, D for 500, and M for 1000.
2. Numbers are formed by writing symbols from left to right, as a sum, each time using the symbol for the largest possible value. The symbols M, C, X, or I may be used at most three times in succession. Only if this rule would be violated, you can use the following rule:
   * When a single I immediately precedes a V or X, it is subtracted. When a single X immediately precedes an L or C, it is subtracted. When a single C immediately precedes a D or M, it is subtracted.

For example: II = 2; IX = 9; CXIII = 113; LIV = 54; XXXVIII = 38; XCIX = 99.

## examples:

input 1: VII

input 2: II

output: VII+II=IX

input 1: XXIX

input 2: X

output: XXIX+X=XXXIX

input 1: M

error

Input 1: