

Problem E: ASCII Addition

Time limit: 1 s

Memory limit: 512 MiB

Nowadays, there are smartphone applications that instantly translate text and even solve math problems if you just point your phone's camera at them. Your job is to implement a much simpler functionality reminiscent of the past – add two integers written down as ASCII art.

An *ASCII art* is a matrix of characters, exactly 7 rows high, with each individual character either a dot or the lowercase letter x.

An expression of the form $a + b$ is given, where both a and b are positive integers. The expression is converted into ASCII art by writing all the expression characters (the digits of a and b as well as the $+$ sign) as 7×5 matrices, and concatenating the matrices together with a single column of dot characters between consecutive individual matrices. The exact matrices corresponding to the digits and the $+$ sign are as follows:

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xxxxx  . . . . x  xxxxx  xxxxx  x . . . x  xxxxx  xxxxx  xxxxx  xxxxx  xxxxx  . . . . .
x . . . x  . . . . x  . . . . x  . . . . x  x . . . x  x . . . .  x . . . .  . . . . x  x . . . x  x . . . x  . . x . .
x . . . x  . . . . x  . . . . x  . . . . x  x . . . x  x . . . .  x . . . .  . . . . x  x . . . x  x . . . x  . . x . .
x . . . x  . . . . x  xxxxx  xxxxx  xxxxx  xxxxx  xxxxx  . . . . x  xxxxx  xxxxx  xxxxx
x . . . x  . . . . x  x . . . .  . . . . x  . . . . x  . . . . x  x . . . x  . . . . x  . . . . x  . . x . .
x . . . x  . . . . x  x . . . .  . . . . x  . . . . x  . . . . x  x . . . x  . . . . x  x . . . x  . . x . .
xxxxx  . . . . x  xxxxx  xxxxx  . . . . x  xxxxx  xxxxx  . . . . x  xxxxx  xxxxx  . . . . .

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Given an ASCII art for an expression of the form $a + b$, find the result of the addition and write it out in the ASCII art form.

Input

Input consists of exactly 7 lines and contains the ASCII art for an expression of the form $a + b$, where both a and b are positive integers consisting of at most 9 decimal digits and written without leading zeros.

Output

Output 7 lines containing ASCII art corresponding to the result of the addition, without leading zeros.

Example

input

```
. . . . X . XXXXX . XXXXX . X . . . X . XXXXX . XXXXX . XXXXX . . . . . XXXXX . XXXXX . XXXXX
. . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X
. . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X
. . . . X . XXXXX . XXXXX . XXXXX . XXXXX . XXXXX . . . . . X . XXXXX . XXXXX . XXXXX . X . . . X
. . . . X . X . . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X
. . . . X . X . . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X
. . . . X . XXXXX . XXXXX . . . . . X . XXXXX . XXXXX . . . . . X . . . . . XXXXX . XXXXX . XXXXX
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output

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. . . . X . XXXXX . XXXXX . XXXXX . X . . . X . XXXXX . XXXXX
. . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X
. . . . X . . . . . X . . . . . X . . . . . X . . . . . X . . . . . X
. . . . X . XXXXX . XXXXX . XXXXX . XXXXX . XXXXX . . . . . X
. . . . X . X . . . . . . X . . . . . X . . . . . X . . . . . X
. . . . X . X . . . . . . X . . . . . X . . . . . X . . . . . X
. . . . X . XXXXX . XXXXX . XXXXX . . . . . X . XXXXX . . . . . X
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