

Neutralisation

Given two strings comprised of + and -, return a new string which shows how the two strings interact in the following way:

- When positives and positives interact, they remain positive.
- When negatives and negatives interact, they remain negative.
- But when negatives and positives interact, they become neutral, and are shown as the number 0.

Notes

The two strings will be the same length.

Input

The first line of input contains two strings S1 and S2 separated by a space.

Output

The first line contains the new string.

Sample input

Sample output

+--+ +--	+ -0
--++-- ++--++	000000
-+++-+ -+-++-	-+++-+