

The Cursed Printer

You were given a print-out containing 2 numbers. However, the printer wasn't working properly and it sometimes printed 3 as 8 and 8 as 3. But not necessarily always. (I know. Weird, right?).

Given the 2 printed numbers, M and N, determine the minimum and maximum sum that you can generate from them.

INPUT

The first and only line of input contains 2 space separated positive integers M and N.

OUTPUT

A single line containing two space separated integers, representing the minimum and the maximum sum respectively.

CONSTRAINTS

$1 \leq M, N \leq 1000000$

Sample Input

13 28

Sample Output

36 46

Explanation

Since the printer wasn't working properly, these are the possible combinations for the original numbers: (13, 23), (13, 28), (18, 23), (18, 28)

Considering these combinations, the minimum sum is: $13 + 23 = 36$

The maximum sum is: $18 + 28 = 46$