

Problem R. Rectangle

Time limit 1000 ms

Mem limit 131072 kB

OS Linux

Write a program which calculates the area and perimeter of a given rectangle.

Input

The length a and breadth b of the rectangle are given in a line separated by a single space.

Output

Print the area and perimeter of the rectangle in a line. The two integers should be separated by a single space.

Constraints

- $1 \leq a, b \leq 100$

Input	Output
3 5	15 16