

Problem D – Problem D

You accidentally knocked over a picture frame, and the frame fell apart into four wooden sticks. You want to reassemble it, but you’re unsure if one of the sticks broke when it fell.

To figure out if all four sticks are still intact, you need to determine whether it’s possible to use these four sticks to form a rectangular picture frame. If you can form a rectangle, then none of the sticks broke. However, if it’s not possible, then it’s likely that one or more sticks were damaged in the fall.

You are given the lengths of the four sticks, and your task is to determine whether they can form a rectangle by connecting their ends. Recall that a rectangle has opposite sides of equal length.

Input

The input consists of a single line with four space-separated integers a , b , c , and d ($1 \leq a, b, c, d \leq 10^3$), representing the lengths of the four sticks.

Output

Print “YES” if it is possible to form a rectangle using the four sticks, meaning none of them broke, or “NO” if it’s not possible, meaning that one or more of them may have broken.

Sample input 1 4 6 6 4	Sample output 1 YES
Sample input 2 5 5 3 2	Sample output 2 NO