

# Line Permutations

Timelimit: 1 sec

## Problem description

You have an  $n \times n$  matrix of numbers. Question: Are there two rows that are identical *up to their order*? More, precisely are there two rows that can be made equal by applying a permutation to one of them?

## Input

A number  $n$  ( $n \leq 100$ ) followed by  $n$  lines with  $n$  numbers, the matrix. The numbers in the matrix are integers between 0 and  $10^9$ .

## Output

YES if two lines are identical up to their order, otherwise NO.

## Sample input/output

Input	Output
3 1 2 3 3 3 3 1 3 2	YES

The answer is “yes” because the first row is a permutation of the third row.