

Problem 1 – Groups of Equal Sum

You are given **4 integers**. Write a program to check whether the numbers can be **split into 2 groups of equal sum**.

Input

- The input is read from the console. It consists of 4 lines, each holding an integer number.

Output

- If the numbers can be split into two groups of equal sums:
 - Print **“Yes”** at the first line.
 - Print the **sum of each group** at the second line.
- If the numbers **cannot** be split into two groups of equal sums, print **“No”** at the first line.

Constraints

- All input numbers are integers in the range **[1 ... 1 000]**.
- Time limit: **100 ms**. Allowed memory: **16 MB**.

Sample Input and Output

Input	Output	Comments
3 2 4 5	Yes 7	$3+4 = 5+2$
1 3 1 1	Yes 3	$3 = 1+1+1$
1 2 1 1	No	No solution