Monopoly

There are 4 companies in the markets of Chefland, $A, B, C,$ and D.

This year,

- Company A made a profit of P lakh rupees,
- Company B made a profit of Q lakh rupees,
- Company C made a profit of R lakh rupees,
- Company D made a profit of S lakh rupees.

There is said to be a **monopoly** in the market if the profit made by one company is **strictly greater than** the sum of profits made by all other companies. Determine if there is a monopoly in the market or not.

Input Format

- The first line of input will contain a single integer T, denoting the number of test cases.
- The first line and only line of each test case contains four space-separated integers P, Q, R and S — the profits made by companies A, B, C and D respectively.

Output Format

For each test case, output YES if there is a monopoly in the market. Otherwise, output NO.

You may print each character of YES and NO in uppercase or lowercase (for example, yes, yEs, Yes will be considered identical).

Constraints

- $1 \leq T \leq 5000$
- $1 \leq P, Q, R, S \leq 100$

Sample 1:

Input	
Output	
4 1 1 1 10 30 20 6 4 100 90 3 4 14 15 16 17	YES NO YES NO

Explanation:

Test Case 1: Here, company D's profit (10) is greater than the sum of profits of all other companies $(1 + 1 + 1 = 3)$.

Test Case 2: Here, no company's profit is **strictly** greater than the sum of profits of all other companies.

Test Case 3: Here, company A's profit (100) is greater than the sum of profits of all other companies $(90 + 3 + 4 = 97)$.