Yash loves Justice

Problem Statement

Yash is a strong believer of justice.

He has two nephews: Abhiroop and Alok.

He went to the market to buy candy bags as gifts for his nephews. He brings two types of bags:
1. Containing **a** candies and Abhiroop written on them
2. Containing **b** candies and Alok written on them

After coming back, he realizes that he has **N** bags of type 1 and **M** bags of type 2.

He can gift a bag to a nephew if only if his name is written on it.

Now, since he is a strong believer of justice he wants that the number of candies received by both his nephews is equal.

Determine if there is a way he can gift his nephews a **non-zero** number of candy bags such that the above said conditions are satisfied.

Note 1: It is guaranteed that when he gifts either of his two nephews, he gifts a complete bag of candies.

Note 2: Also, he need not gift all candy bags, if required he may have to keep a few with himself such that justice may prevail.

Input Format

The first line contains two space-separated positive integers **a** and **b**: the number of candies in the two types of bags.

The second line contains two space-separated positive integers **N** and **M**: the number of candy bags of each type Yash has.

Constraints

$1<=a,b,N,M<=10^9$

Output Format

A single line containing "Yes" (without quotes) if he can make a valid allotment of candy bags, otherwise "No" (without quotes) if he cannot.

Sample Input

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6 8
10 10
```

Sample Output

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Yes
```

Explanation

He can gift 4 candy bags to Abhiroop and 3 candy bags to Alok.