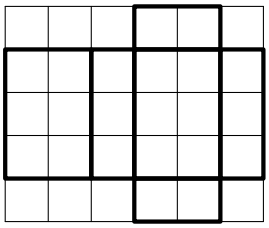
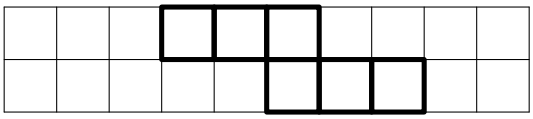
Problem B. Box

Time limit: 3 seconds

Bella is working in a factory that produces boxes. All boxes are in a shape of rectangular parallelepipeds. A *net* of the corresponding parallelepiped is cut out of a flat rectangular piece of cardboard of size $w \times h$. This net is a polygon with sides parallel to the sides of the rectangle of the cardboard. The net is bent along several lines and is connected along the edges of the resulting parallelepiped to form a box. The net is bent only along the edges of the resulting box.



The first example



The third example

Bella is a software developer and her task is to check whether it is possible to make a box of size $a \times b \times c$ out of a cardboard of size $w \times h$. Bella did write a program and boxes are being produced. Can you do the same?

Input

The first line contains three integers a, b, and c — the dimensions of the box.

The second line contains two integers w and h — the width and the height of the cardboard.

All integers are positive and do not exceed 10^8.

Output

Print "Yes" if it is possible to cut a box $a \times b \times c$ out of a cardboard of size $w \times h$. Print "No" otherwise.

Examples

input	output
1 2 3 6 5	Yes
1 2 3 5 5	No
1 1 1 10 2	Yes

Note

There are 11 different nets of a cube, ignoring rotations and mirror images.

