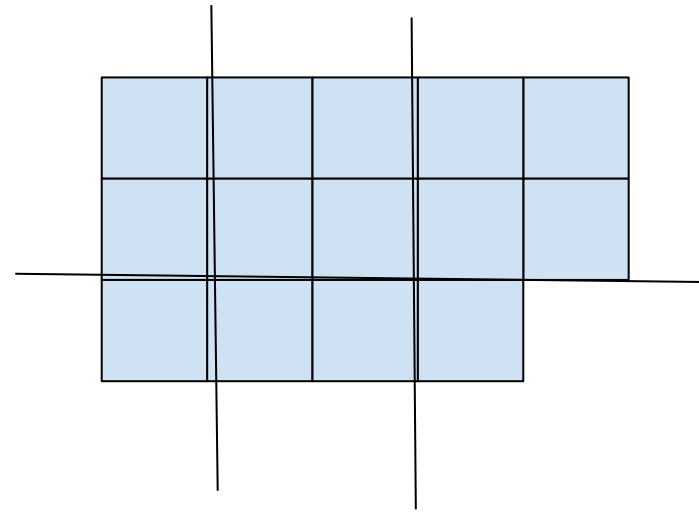


## Problem G. Chocolate

The chocolate has the form of a rectangle divided into  $n \times m$  slices. The chocolate can be broken into two parts once in a straight line. Determine if exactly  $k$  slices of chocolate can be broken off in this way.



# Input data

The program receives three numbers as input:  $n$ ,  $m$ ,  $k$

## Output

The program should output one of two words: YES or NO.

## Examples of input data

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6

```
int n;
```

```
int m;
```

```
int k;
```

```
std::cin >> n >> m >> k;
```

# output

# YES

```
if ( (k % n == 0 || k % m == 0) && n * m != k)
```

$$\{$$

```
std::cout << "Yes" << std::endl;
```

}

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/

```
else {
```

```
std::cout << "No" << std::endl;
```

}

[illegible]