

# Chocolate Paradox

Problem

Submissions

## Problem Statement

Alisa and Meena are siblings. They have an unusual style of eating chocolate. Alisa consumes  $x$  chocolates at a time, and she will not eat any chocolates if there are fewer than  $x$ . Meena consumes precisely  $y$  chocolates at a time just like Alisa. While they were on vacation, their father brought them a packet of chocolates that included  $T$  amount of chocolates. But he gave them a condition for eating the chocolates: if they can eat exactly  $T$  chocolates from the packet, they will receive the entire packet. Otherwise, they will not get any chocolate to eat.

Now, they came to you with  $x$  (the amount of chocolates Alisa eats at once),  $y$  (the number of chocolates Alisa eats at once), and  $T$  (the total number of chocolates they have to eat) to see whether they would get the packet or not.

## Input Format

Single line will contain  $X$ , the number of chocolates Alisa eats at once..  $Y$ , the number of chocolates Meena eats at once.  $T$ , the number of chocolates is required to eat.

## Constraints

- $1 \leq X, Y \leq 100$
- $1 \leq T \leq 10000$

## Output Format

Print "YES" (without quotes) if it is possible to get the whole packet of chocolates. Otherwise print "NO" if they don't get any. (without quotes).

## Sample Input 0

```
5 7 25
```

## Sample Output 0

```
YES
```

## Explanation 0

Explanation : If Alisa eats chocolates five times, then she eats a total of 25 ( $5+5+5+5+5$ ) chocolates. So they get the whole packet of chocolate.

  

Contest ends in 1 hour 29 minutes 44 seconds

Submissions: 146

Max Score: 1

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C++



```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
13
```

Line: 1 Col: 1

[Upload Code as File](#)

Test against custom input

Run Code

Submit Code