

Measuring Water

Lets solve a puzzle. :)

You are given two beakers of capacity c_1 ltrs and c_2 ltrs. You have to find out whether you can measure exactly C ltrs of beer using them?

Input

The first line contains t , the number of test cases. ($t \leq 1000$)

Then t lines follow. Each test case contains three space separated integers c_1, c_2 and C . ($0 < c_1, c_2, C \leq 10^{15}$)

You can use the smaller beakers any number of times and assume you have infinite amount of beer in some measuring tank

Output

Output "YES" (quotes for clarity only) if it is possible to measure C ltrs using c_1 and c_2 , else output "NO"

Input:

```
1
2 3 5
```

Output:

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YES
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Warning: Use long long int for taking input