## Problem I. Assertion

| Input file: | standard input |
| :--- | :--- |
| Output file: | standard output |
| Time limit: | 1 second |
| Memory limit: | 256 megabytes |

Alice boldly asserts to you that if you divide $m$ items into $n$ groups, there will definitely be one group with a quantity of items greater than or equal to $d$.
Due to Alice's excessive self-confidence, she is unaware that some of her assertions are actually incorrect. Your task is to determine whether Alice's assertion is correct. If Alice's assertion is true, output 'Yes'; otherwise, output 'No'.

## Input

The input consists of multiple test cases. The first line contains a single integer $T\left(1 \leq T \leq 10^{5}\right)$ - the number of test cases. Description of the test cases follows.
The first line of each test case contains three integers $n, m, d\left(2 \leq m \leq 10^{9}, 1 \leq n<m, 0 \leq d \leq 10^{9}\right)$ , $n$ and $m$ represent the number of groups and the quantity of items, respectively, in Alice's assertion. The symbol $d$ signifies Alice's claim that there will always be at least one group with a quantity of items greater than or equal to $d$.

## Output

For each set of data, output a string. If Alice's assertion is correct, output 'Yes'; otherwise, output 'No'.

## Example

|  |  | standard input |  | standard output |
| :--- | :--- | :--- | :--- | :--- |
| 3 |  |  | Yes |  |
| 1 | 2 | 1 | Yes |  |
| 2 | 3 | 2 | Yes |  |
| 3 | 10 | 4 |  |  |

