

## Test Score

In a test, there are  $N$  problems, each carrying  $X$  marks.

In each problem, Chef either received  $X$  marks or  $0$  marks.

Determine whether it is possible for Chef to achieve **exactly**  $Y$  marks.

## Input Format

- The first line of input will contain a single integer  $T$ , denoting the number of test cases.
- Each test case consists of three integers  $N$ ,  $X$ , and  $Y$ , the number of problems, the maximum score for each problem, and the score Chef wants.

## Output Format

For each test case, output YES if Chef can achieve exactly  $Y$  marks, NO otherwise.

You can print each character of the string in uppercase or lowercase. For example, the strings Yes, YES, yes, and yEs, are all considered identical.

## Constraints

- $1 \leq T \leq 100$
- $1 \leq N \leq 10$
- $1 \leq X \leq 10$
- $0 \leq Y \leq N \cdot X$

## Sample 1:

Input	
Output	
5 1 8 4 3 6 12 4 5 0 10 10 100 8 5 36	NO YES YES YES NO

## Explanation:

**Test case 1:** There is no way for Chef to score exactly 4 marks.

**Test case 2:** Chef can score 12 marks by receiving 6 marks in 2 problems and 0 marks in 1 problem.

**Test case 3:** Chef can score 0 marks by receiving 0 marks in each of the 4 problems.

**Test case 4:** Chef can score 100 marks by receiving 10 marks in each of the 10 problems.

**Test case 5:** There is no way for Chef to score exactly 36 marks.