

## Day 62 coding Statement : Gold Mining

Anusree has decided to go to a gold mine along with  $N$  of his friends (thus, total  $N+1$  people including Anusree go to the gold mine).

The gold mine contains a total of  $X$  kg of gold. Every person has the capacity of carrying up atmost  $Y$  kg of gold.

Will Anusree and friends together be able to carry up all the gold from the gold mine assuming that they can go to the mine exactly once.

### Input Format

Each testcase contains of input, three integers  $N$ ,  $X$ ,  $Y$ .

### Output Format

For each testcase, output "YES" if Anusree and friends can carry all the gold, otherwise output "NO".

**Sample Input 1 :** 2 10 3

2 10 4

1 5 10

**Sample Output 1 :** NO

YES

YES

