

# WC '18 Contest 1 J1 - Homework

---

**Time limit:** 1.0s    **Memory limit:** 16M

---

## Woburn Challenge 2018-19 Round 1 - Junior Division

Alice is a student at H.S. High School. Right now, she's not the happiest student in the world, as she has a whole bunch of math homework due tomorrow!

Her homework consists of  $A$  ( $1 \leq A \leq 100$ ) math questions, which Alice is supposed to complete one after another. Each question takes  $M$  ( $1 \leq M \leq 100$ ) minutes to complete.

As important as Alice's homework is, she's had some more important shows to watch first, leaving her with only  $T$  ( $1 \leq T \leq 100$ ) minutes now remaining before her strict bedtime! She'd like to figure out whether she can complete all  $A$  homework questions within at most  $T$  minutes, or if they would require a combined total of strictly more than  $T$  minutes (in which case she'll use that time to come up with an excuse instead). Output  Y if she still has time to finish her homework today, or  N if she doesn't.



## Input Specification

---

The first line of input consists of a single integer,  $A$ .

The next line consists of a single integer,  $M$ .

The next line consists of a single integer,  $T$ .

## Output Specification

---

Output a single character, either  Y if Alice can complete all  $A$  assignments within at most  $T$  minutes, or  N otherwise.

## Sample Input 1

---

```
2
3
9
```

## Sample Output 1

---

Y

## Sample Input 2

---

4  
3  
11

## Sample Output 2

---

N

## Sample Explanation

---

In the first case, the 2 assignments would require a total of 6 minutes, which is less than or equal to 9, meaning that Alice has time to complete them.

In the second case, the 4 assignments would require a total of 12 minutes, which is greater than 11, meaning that Alice won't have time to complete them.