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Genesis and Pillars

locked

Problem

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Leaderboard

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"Why are we still here? just to suffer?", said a man once. This is a tale of "B", just a boy. He is a trainee of martial arts in his little town "MSF". He is hoping to one day roam the world and more. A part of his training is to jump between pillars in MSF. There are exactly 5 pillars, namely **A, Bee, C, D, and E**. They are ordered from left to right with **A** as the first pillar, and **E** as the last pillar. The pillars are identical in height, but the distance between one pillar to the next pillar may vary. He must jump from the first pillar to the last pillar one pillar at a time. B has a maximum jump distance of **n**. He can jump from one pillar to the next if the distance is not greater than B's maximum jump distance. Help B to determine whether he can clear this challenge or not. If he can print "YES HE CAN" without the quotation marks. If he fails, print "NO HE CAN'T" without the quotation marks.

Input Format

A single line containing **n**, the distance of **A to Bee**, **Bee to C**, **C to D**, and **D to E**.

Constraints

$1 \leq n \leq 10^{10}$ $1 \leq \text{distance of any adjacent pillar} \leq 10^{10}$

Output Format

If he can print "YES HE CAN" without the quotation marks. If he fails, print "NO HE CAN'T" without the quotation marks.

Sample Input 0

```
1 1 1 1 1
```

Sample Output 0

```
YES HE CAN
```

Explanation 0

B's maximum jumping distance is 1. all distance between pillars are 1. Therefore B can finish this challenge.

Sample Input 1

```
2 2 2 3 2
```

Sample Output 1

```
NO HE CAN'T
```

Explanation 1

B's maximum jumping distance is 2. The distance between Pillar C and Pillar D is 3. Therefore B cannot finish this challenge.



Submissions: 21

Max Score: 1

Difficulty: Easy

Rate This Challenge:



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Current Buffer (saved locally, editable)

C

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7
8     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     return 0;
10 }
11
```

Line: 1 Col: 1

[Upload Code as File](#) ☐ [Test against custom input](#)

Run Code

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