

Absolute Winner

Time limit	Memory limit
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1 s	64 MB
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Description

Three people have just played a racing game on a console. Initially, each player had 0 points. They played at least one round. For each round:

- The 1st place gets 4 points.
- The 2nd place gets 2 points.
- The 3rd place (last place) gets 1 points.

Now, you know that their total points are A, B, and C. Is there any player who is an Absolute Winner; that is, a person who always won the 1st place?

Input Format

The input is given in the following format:

A B C

Output Format

A single line containing the string YA (Indonesian for yes) if there is any person who is an Absolute Winner, or the string TIDAK (Indonesian for no) if not.

Sample Input 1

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12 6 3
```

Sample Output 1

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YA
```

Sample Input 2

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22 13 7
```

Sample Output 2

TIDAK

Explanation of Sample

In sample 1, the first player always won the 1st place. Therefore, he is an Absolute Winner.

Constraints

$$1 \leq A, B, C \leq 100$$

It is guaranteed that there exists at least a sequence of winners for every round leading to the total points of A, B, and C.