
Given three numbers, check if one of them equals the average of the other two

X81984_en

Write a program that reads three integers and checks if there is one of them which equals the average of the other two.

Input

Three integer numbers in one line.

Output

If one of the three numbers equals the average of the other two, prints YES. Otherwise, prints NO.

Sample input 1

1 2 3

Sample output 1

YES

Sample input 2

2 1 3

Sample output 2

YES

Sample input 3

3 1 2

Sample output 3

YES

Sample input 4

1 1 2

Sample output 4

NO

Sample input 5

-1 -1 -2

Sample output 5

NO

Sample input 6

-1 -2 -3

Sample output 6

YES

Sample input 7

-2 -1 -3

Sample output 7

YES

Sample input 8

-3 -1 -2

Sample output 8

YES

Sample input 9

-10 0 10

Sample output 9

YES

Sample input 10

-13 5 -8

Sample output 10

NO

Problem information

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