## UJ Test 1

## Detect

whether the following is an arithmetic series or not.

## Input

Each line contains space separated numbers.
HI
0
A line with only 0 is the end of input.

## Output

'Yes' if input sequence is really an arithmetic series.
'No' otherwise.

## Example

Input:
1357
987654
1245

0

Output:
Yes
Yes
No

