## Statement

Given a string of digits and an integer n, write a program that checks if it is possible to introduce the symbols + and - before each digit of the sequence so that doing the operations indicated, the final result is n.

For example, it is possible to achieve it if the sequence is 1234567 and n = -2,

but it is not possible to achieve if the sequence is 1234567 and n = 1.

## Input

An arbitrary amount of cases (no more than 100), each one of them is formed by a sequence of digits (no more than 100) and an integer n between - 1000 and 1000.

## Output

For each case, write one line with yes or no depending on if it is possible or not.

## Examples

Input 1	Output 1
5 5	yes
5 -5	yes
50	no
111 -1	yes
111 1	yes
111 2	no
111 3	yes
725 20	no
725 21	no
Input 2	Output 2
<b>Input 2</b> 1234567 -2	<b>Output 2</b> yes
-	-
1234567 -2	yes
1234567 -2 1234567 18	yes yes
1234567 -2 1234567 18 1007007 11	yes yes no
1234567 -2 1234567 18 1007007 11 1000001 2	yes yes no yes
1234567 -2 1234567 18 1007007 11 1000001 2 1000001 3	yes yes no yes no