# Mirror base

- Time limit: 2 seconds

- Memory limit: 256 MB

Write a program that takes three inputs in order $a \_ b \_ c$ received so that $a$ A number in the base $b$ been and $c$ The basis is the number that must be calculated: that is:
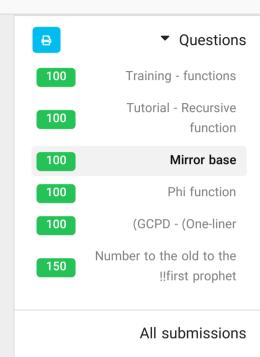
$$( a )_b = ( x )_c$$

**Note: Be sure to implement the base conversion in a separate function.**

then if $x$ It is palindrome (mirror) to print $Y\ E\ S$ And otherwise $NO\ \_$.

A number is called a palindrome or a mirror if it is equal to its inverse, for example, 121 is a mirror, but 132 is not.

**Note: Be sure to implement checking whether the number is palindrome or not in a separate function.**

## Input

In the first line of the number $a$, in the second line of the number $b$ And in the third line of the number $c$ It will be given to you.

$$1 \le a \le 10^6$$

$$2 \le C\_b \le 10$$

## Output

In a single line statement $YES$ Or $NO$ _print the

## Example

### Sample input

```
505
6
7
```

### Sample output

```
YES
```

## POST AN ANSWER TO THIS QUESTION

.The training period is over