





▼ Unpleasant functions

Unpleasant functions < ...Programming basics workshop - three < classes < Home



Mirror base

• Time limit: 2 seconds

• Memory limit: 256 MB

Write a program that takes three inputs in $ordera_b_c$ received so that aA number in the base b been and cThe basis is the number that must be calculated: that is:

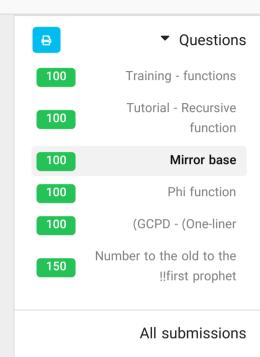
$$(a)_b = (x)_c$$

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.



Scoreboard

Final submissions

Input

In the first line of the number a, in the second line of the number bAnd in the third line of the number cIt will be given to you.

$$1 \le a \le 1 \ 0^6$$

$$2 \leq C \, _b \leq 1 \; 0$$

Output

In a single line statement $Y \mathrel{E} S \mathrm{Or} NO$ _print the

Example

Sample input

505

6

7

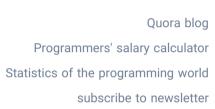
Sample output

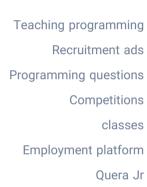
POST AN ANSWER TO THIS QUESTION

.The training period is over

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