

2382 - Elvis the Squirrel

Description

Elvis the squirrel has finished his math class last week, but, during all this time has been trying to solve a divisibility problem that his teacher gave him. This time he needs your help to solve it. This is the question: Is divisible the number N in a given base by a decimal number D ?

Input specification

In the first line of input just three numbers separated by space, **N (the amount of digits no exceeds 10^5), B ($2 \leq \text{base} \leq 10$) and D ($1 \leq D \leq 10^5$).**

Output specification

The output is a single word, if the number is divisible "YES", otherwise "NO", without quotes.

Sample input

```
12 8 10
```

Sample output

```
YES
```

Hint(s)

Input Example 2:

```
111 2 5
```

Output Example 2:

```
NO
```

Input Example 3:

```
35412542154234514351 6 2
```

Output Example 3:

```
NO
```

Source

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Caribbean Online Judge

Added by	ymondelo20
Addition date	2013-05-09
Time limit (ms)	70000
Test limit (ms)	1500
Memory limit (kb)	256000
Output limit (mb)	64
Size limit (bytes)	15000
Enabled languages	Bash C C# C++ Java Pascal Perl PHP Python Ruby Text