Divisors located in odd positions X57795_en

Write a program that reads a sequence of natural pairs x, y and for each pair tells if y is a multiple of all the digits located in odd positions of x, numbered from right to left, and starting with 1.
For example, if x is 347658 and y is 72, the digits located in odd positions are 8, 6 and 4, all of them divisors of 72. Therefore, the output of the program in this case should be "YES".
The program MUST include the RECURSIVE function:

```
bool divisors_odd(int x, int y);
```

which returns true if y is a multiple of all the digits located in odd positions of x, and false otherwise.
Exam score: 3.000000 **Automatic part:** 100.000000%

Input

The input is a sequence of natural pairs x, y, where x does not have any digits that are 0.

Output

For each input pair, you must write a line following the format of the examples, indicating whether it is satisfied that y is a multiple of all the digits located in odd positions of x (numbered right to left, starting from 1).

Sample input 1

```
347658 72
11111111 195
1111111116 1
631267 12
```

Sample output 1

```
YES
YES
NO
NO
```

Sample input 2

```
113456 24
88 8
8888 4
9263 3
2936 18
```

Sample output 2

```
YES
YES
NO
NO
YES
```

Observation

WARNING: Iterative solutions will be considered INVALID.

Problem information

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