Digit subchains X58180_en

Number a is a subchain of number b when all base 10 digits of a are also (base 10) digits of b, keeping the same order. For instance, number 345 is a subchain of 1304125 but is not subchain of 3054. For convenience, zero is subchain of any number b (zero can always appear as the first digit of a number). Write a *recursive* function `is_subchain()` that given as parameters two non-negative integers a and b returns `true` when a is a subchain of b and returns `false` orherwise.
Exam score: 2 **Automatic part:** 40%

Input

A sequence of non-negative integer pairs.

Output

For each pair, a line with the string `yes` when the pair first number is subchain of the second one. Otherwise, the string should be `no`.

Sample input

```
345 1304125
345 3054
17 7171
100 101101
10001 210010
```

Sample output

```
yes
no
yes
yes
no
```

Observation

Non-recursive implementations of `is_subchain()` will be invalidated.

Problem information

Author : Pro1
Generation : 2022-05-26 08:40:20