Project Euler #52: Permuted multiples

This problem is a programming version of Problem 52 from projecteuler.net

It can be seen that the number, 125874, and its double, 251748, contain exactly the same digits, but in a different order.

Given N, find all the positive integers, $x \leq N$, such that $x, 2x, \cdots Kx$ contain the same digits.

Input Format

Input contains two integers N and K

Constraints

$125875 \leq N \leq 2000000$
$2 \leq K \leq 6$

Output Format

Print all the K multiple corresponding to the test case. If there are more than 1 x print each of them in a new line.

Note1: It is guaranteed a solution exists.
Note2: You should not consider solution with leading 0's.

Sample Input

```
125875 2
```

Sample Output

```
125874 251748
```