Problem C
MULTIPLE

Input File: C.DAT
Program Source File: C.PAS or C.C or C.CPP

Write a program that, given a natural number N between 0 and 4999 (inclusively), and M distinct decimal digits $x_1, x_2..x_M$ (at least one), finds the **smallest strictly positive multiple** of N that has no other digits besides $x_1, x_2..x_M$ (if such a multiple exists).

The input file has several data sets separated by an empty line, each data set having the following format:

- On the first line - the number N
- On the second line - the number M
- On the following **M** lines - the digits $x_1, x_2..x_M$.

For each data set, the program should write to standard output on a single line the multiple, if such a multiple exists, and 0 otherwise.

An example of input and output:

input	output
22	110
3	0
7	
0	
1	
2	
1	
1	