Problem E
Big and Cute Number
Time limit: 1 second
Memory: 1024 megabytes

Problem Description

Nhat Tang, besides being adorable and kind, also has some interesting hobbies that many young people today enjoy - he likes things that are "cute and big". One day, while he was engrossed in programming, something magical happened, and his code printed three strange, extremely long numbers, labeled **a**, **b**, and **c**, along with a fascinating positive integer he calls **N**. He then decided to create a number with a length equal to this fascinating positive integer **N**, using digits from those three numbers, in line with his love for big and cute things.

However, while writing the program, his laptop ran out of battery, and everything was lost. Your task is to help *Nhat Tang* complete this task!

Input:

- The first line contains the interesting positive integer **N**.
- The next three lines contain the three strange numbers **a**, **b**, and **c**, respectively.
- It is known that the lengths of **a**, **b**, **c**, and **N** do not exceed 10^7.

Output:

- A single number, which is the largest possible positive integer of length **N** that can be formed using the digits of the three given numbers.

Example:

INPUT	OUTPUT
4 97 2004 2024	9744