
Multiples of 7**P11875_en**

Given n different digits between 1 and 9, find all the multiples of 7 that can be formed with the n digits.

Input

Input consists of a number $1 \leq n \leq 9$, followed by n different digits between 1 and 9.

Output

Print all the multiples of 7 that can be formed with the n digits. If there is none, print a hyphen.

Information about the checker

You can print the solutions to this exercise in any order.

Sample input 1

4
3 5 2 8

Sample output 1

3528
2583
2835
8253

Sample input 2

3
2 5 7

Sample output 2

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Problem information

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