Julius Divisibility

To test more his sons now Julius' got n cards, each card contains either digit 0, or digit 5. Julius ask the princes to choose several cards and put them in a line so that they get some number. What is the largest possible number dvisible by 90 they can make from the cards he's got?

Princes must make the number without leading zero. They doesn't have to use all the cards.

Input

The first line contains test cases t(1<=t<=100), the next line contains integer n ($1 \le n \le 10^3$). The next line contains n integers a_1, a_2, ..., a_n ($a_i = 0$ or $a_i = 5$).

Output

In t lines print the maximum number i.e. divisible by 90. If they can't make any number divisible by 90 print -1.

Example

Input:
2
4
5 0 5 0
11
5 5 5 5 5 5 5 5 0 5 5
Output:
0
5555555550