

Ice Cream Flavour

Jojo, Lili, and Bibi want to buy ice cream, but they don't know what flavour to choose. Jojo wants vanilla flavour, Lili wants chocolate flavour, and Bibi wants strawberry flavour. They decided to ask n people to give them suggestions. The most chosen flavour will be the one chosen by them.

Format Input

The first line will consist of an integer T , the number of test cases.

The first line of each test case will consist of an integer N , the number of people Jojo, Lili, and Bibi ask.

The next N lines will consist of a character C that is either 'c', 's', or 'v' (each represents chocolate, strawberry, and vanilla), the flavour suggested by the K -th person.

Format Output

For each test case, print "Case #X:" (X start from 1), then the flavour(s) that they will buy, each on their own line.

Constraints

$1 \leq T \leq 10$

$1 \leq N \leq 100000$

Sample Input	Sample Output
2 10 c s v s c s v v c c 4 v v s s	Case #1: chocolate Case #2: strawberry vanilla

Note

If there is more than one most chosen flavour, print all the most chosen flavour in the order of chocolate -> strawberry -> vanilla.