

Problem H

Spell Checker Suggestions

Spell checkers nowadays are pretty smart, but we'll focus our attention on the ones of the past that were only able to make simple suggestions. Given a dictionary of N words, all of length L , for each of M query words determine if it is correctly spelled or can be corrected by replacing a single letter.



Input

The input file starts with an integer T ($1 \leq T \leq 20$), the number of test cases.

Each test case starts with three integers on the first line, N , L and M , as described in the problem statement. ($3 \leq L \leq 10, 1 \leq N \leq 1000, 1 \leq M \leq 100$) Next N lines contain dictionary words followed by M lines containing query words.

In each test case, all dictionary words will be unique and all words (both dictionary and query) will consist of L lower case characters from the English alphabet.

Output

For each query word output “correct spelling” if the word is in the dictionary for that test case, otherwise output “ S suggestion(s)” where S is the number of the words in the dictionary that can be obtained from the query word by replacing a single letter.

Sample Input	Sample Output
2	1 suggestion(s)
5 4 5	correct spelling
bass	3 suggestion(s)
boss	2 suggestion(s)
mass	1 suggestion(s)
mess	0 suggestion(s)
past	1 suggestion(s)
loss	
boss	
pass	
mast	
base	
3 3 2	
zwx	
rrf	
ooa	
rwt	
oof	