Problem B. Dictionary

Input file:	*standard input*
Output file:	*standard output*
Time limit:	2 seconds
Memory limit:	256 mebibytes

Snuke's dictionary contains n distinct words $s_1, \ldots, s_n$. Each word consists of English lowercase letters. The words are sorted lexicographically, i.e., $s_1 < \cdots < s_n$. Unfortunately, you can't read some characters in his dictionary. You replaced those characters with '?'. Compute the number of ways to replace each '?' with an English lowercase letter and make a valid dictionary, modulo 1,000,000,007.

Input

First line of the input contains one integer n ($1 \le n \le 50$). Then n lines follow, i'th of then contains word s_i ($1 \le |s_i| \le 20$, each character in s_i is an English lowercase letter or a '?').

Output

Print the answer.

Examples

standard input	standard output
2 ?sum??mer c??a??mp	703286064
3 snuje ????e snule	1