Practice (/) BETA

Sudo Placement [1.1] (/contest/sudo-placement-11/)

Hello

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SUMMARY

(HTTPS://PRACTICE.GEEKSFORGEEKS.ORG/CONTEST/SUDO-PLACEMENT-11/SUMMARY/)

- SP Palindrome Family (https://practice.geeksforgeeks.org/contest-problem/sp-palindrome-family/0/)
- SP Special Subsequences (https://practice.geeksforgeeks.org/contest-problem/sp-trip-k-lets/0/)
- SP Range Queries (https://practice.geeksforgeeks.org/contest-problem/sp-range-queries/0/)

Your Total Score:

0

SP - Special Subsequences

Submissions: 527 Accuracy: 37% Max. Score: 30

Given a string **S**, print all '**Special Subsequences**' of **S**. A special subsequence is a subsequence of given string with capital letters allowed. A **Subsequence** is a sequence that can be derived from given string by removing zero or more elements, without changing the order of the remaining elements. For example subsequences of **abc** are **{a, b, c, ab, ac, bc, abc}**. To generate Special Subsequences, we need to consider both the upper and lowercases and their combination. For Instance, "**ab**" has the following Special-Subsequences-: **{ "A", "AB", "Ab", "B", "ab", "ab", "ab", "b" }**.

NOTE: Consider only the non-empty Special Subsequences of **S**, as shown above.

Input: The first line of input conains number of testcases T. Each testcase contains a single line denoting the string S.

Output : For each testcase you need to print two lines. In the **1**st line print **N**, denoting the number of Special Sub Sequences of **S**.

In the 2^{nd} line print **N** space separated integers denoting the Special Sub Sequences of **S**, in lexicographically increasing order.

Constraints

1 <= T <= 100

1 <= |S| <= 10

The String S, contains only lower-case letters (i.e 'a' - 'z')

Example:

Input:

2

ab

abc

Output:

Q

A AB Ab B a aB ab b

26

A AB ABC ABc AC Ab AbC Abc Ac B BC Bc C a aB aBC aBc aC ab abC abc ac b bC bc c

Explanation:

Self Explanatory

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My submissions

(/problem_submissions.php?pid=3511&isSolved=ALL&lang=ALL&user=Self)

Theme Light
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```
#include<iostream>
using namespace std;
int main()
{
   //code
   return 0;
}
```

Test against custom input

Submissions are closed for this Contest problem.

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