


Assignment Case	
COMP6047 Algorithm and Programming	
Computer Science	<Case Code>
<i>Valid on Compact Semester Year 2019/2020</i>	Revision 00

Soal*Case***Total of Each Character**

Due to the long quarantine, Jojo is getting super bored. To get rid of his boredom, Jojo proposes a game to play with Bibi. The game calculates the total count of each character in the word. Since Jojo is so eager to win, he asks you to help him guess the result of the game.

Format Input

The input starts with an integer T, the number of test cases.

Every test case starts with a line containing a single string W, which indicates the word. It is guaranteed that the word will only contain alphanumeric and space.

Format Output

Every test case will start with a line of "Case #X:", where X represents the test case. Following this line is the result of each character in the word and total of the character number. The result will be sorted by alphabet first and follow with a number.

Constraints

$$1 \leq |W| \leq 10000$$

Sample Input	Sample Output
3 Bina Nusantara University Binus 2020 Corona Virus Covid 19	Case #1: [A] => 4 [B] => 1 [E] => 1 [I] => 3 [N] => 4 [R] => 2 [S] => 2 [T] => 2 [U] => 2 [V] => 1 [Y] => 1 Case #2: [B] => 1 [I] => 1 [N] => 1 [S] => 1 [U] => 1 [0] => 2 [2] => 2 Case #3: [A] => 1 [C] => 2 [D] => 1 [I] => 2 [N] => 1 [O] => 3 [R] => 2 [S] => 1 [U] => 1 [V] => 2 [1] => 1 [9] => 1

Note:

Do not forget to add the newline character after printing the output also each test case separated with a double new line