CIA Agent: We found an alien dictionary. It contains all of the words in the alien language.

Your task: generate a histogram of all the letters in the alien dictionary.

You are given a dictionary of the alien language.

The dictionary is sorted alphabetically based on the alien alphabet, which does not correspond to our human alphabet.

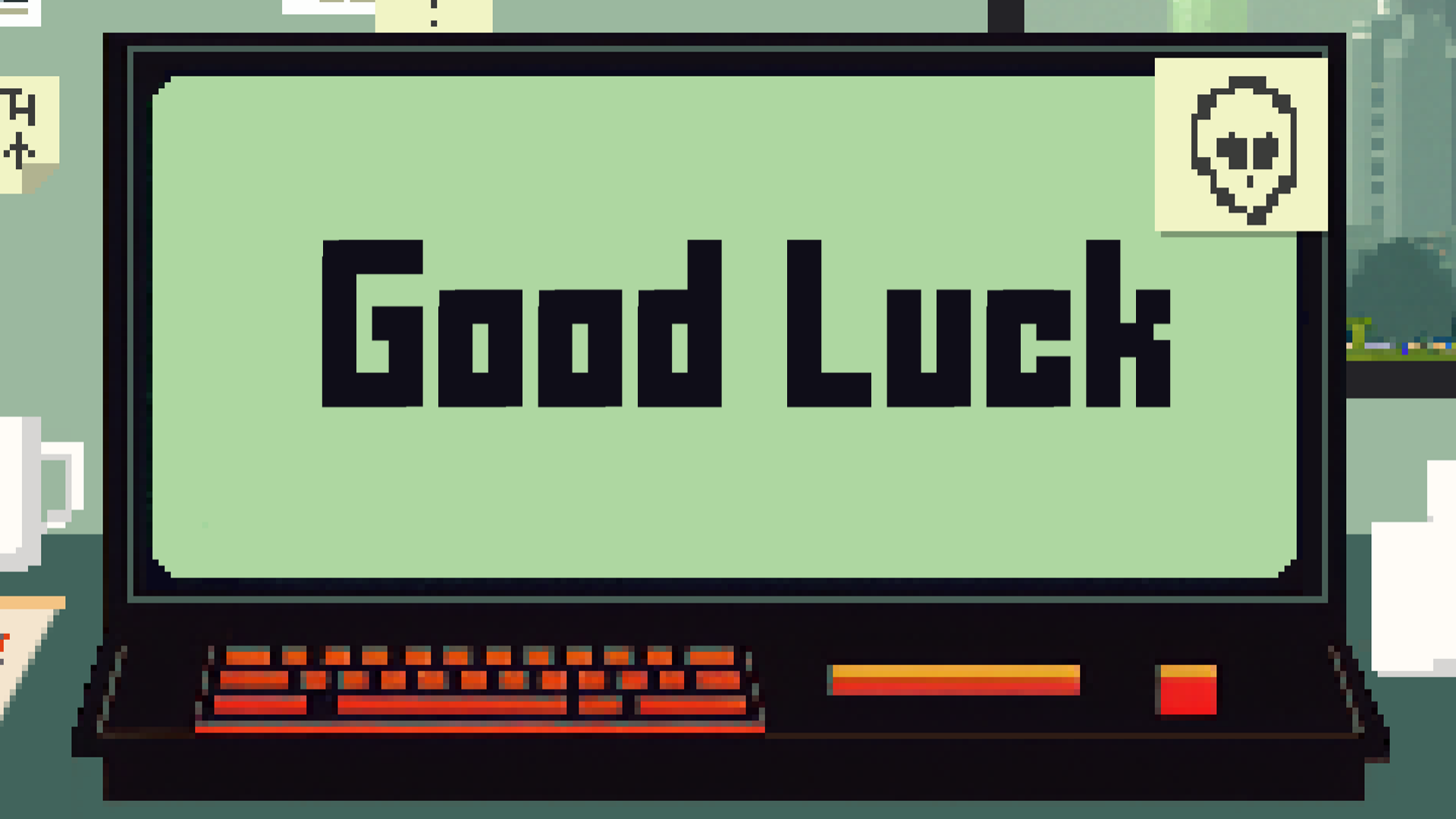For each letter in the alien alphabet, there will be a word that starts with that letter.

Count how often each letter occurs in the alien dictionary and output the count sorted alphabetically by the alien alphabet.

Notes: There will be a different dictionary for each input set.There is no such thing as capitalization in the alien language, a letter that occurs at the start of a word is the same as within the word.

Input		Output
Format	N word (line is repeated N times)	letterCount (line is repeated A times where A is the number of letters in the alien alphabet)
Types	N (int): number of words in the dictionary word (String): a word in the alien language	letterCount (int): the amount this letter occurs in the alien dictionary
Example	10 C!CC!B!AD C!!D-D! DBD !D !BDDCD!-D !B!! A!AA -!AD!!-CD BDCDDDD!!C BDD!!D	8 20 20 5 4 6 Explanation: 'C' is the first letter in the alien alphabet. We know this because the first word in the dictionary starts with 'C'. 'C' occurs 8 times in the dictionary. The alphabetical order in this case is [C, D, !, A, -, B]