Difficulty of sentence

Given a sentence as a string S. Write a program to calculate difficulty of a given sentence. A word in the given string is considered hard if it has 4 consecutive consonants or number of consonants are more than number of vowels. Else the word is easy. Difficulty of sentence is defined as 5*(number of hard words) + 3*(number of easy words).
Note: uppercase and lowercase characters are same.

Input:
First line of input contains a single integer T which denotes the number of test cases. Then T test cases follows. First line of each test case contains a string S which denotes the sentence.

Output:
For each test case print the difficulty of the sentence as described above.

Constraints:
1<=T<=100
1<= length(S) <= 10^5

Example:
Input:
1
Difficulty of sentence
Output:
13