

5/4/24, 11:02 AM

The Minion Game | HackerRank

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Problem

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Kevin and Stuart want to play the 'The Minion Game'.

Game Rules

Both players are given the same string, *S*.

Both players have to make substrings using the letters of the string *S*.

Stuart has to make words starting with consonants.

Kevin has to make words starting with vowels.

The game ends when both players have made all possible substrings.

Scoring

A player gets +1 point for each occurrence of the substring in the string *S*.

For Example:

String *S* = BANANA

Kevin's vowel beginning word = ANA

Here, ANA occurs twice in BANANA. Hence, Kevin will get 2 Points.

For better understanding, see the image below:

STUART	
WORDS	SCORE
B	1
N	2
BA	1
NA	2
BAN	1
NAN	1
BANA	1
NANA	1
BANAN	1
BANANA	1
TOTAL	12

Your task is to determine the winner of the game and their score.

Function Description

Complete the minion_game in the editor below.

minion_game has the following parameters:

- string string: the string to analyze

Prints

- string: the winner's name and score, separated by a space on one line, or Draw if there is no winner

Input Format

A single line of input containing the string *S*.

Note: The string *S* will contain only uppercase letters: [A – Z].

Constraints

$0 < len(S) \leq 10^6$

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```
1 def minion_game(string):
2     # your code goes here
3     n = len(string)
4     comb = ((n)*(n+1))/2
5     count_k = 0
6     count_s = 0
7     count_k = sum([len(string[i:]) for i in range(len(
8         "AEIOU"])]
9         count_s = comb - count_k
10
11     if count_s == count_k:
12         print("Draw")
13     elif count_s > count_k:
14         print("Stuart", int(count_s) )
15     else:
16         print("Kevin", int(count_k))
17
18 if __name__ == '__main__':
19     s = input()
20     minion_game(s)
```

Line: 18 Col: 5

Upload Code as File

Run Code

Submit Code

☐ Test against custom input

You have earned 40.00 points!

You are now 80 points away from the 4th star for your python badge.

27% 140/220

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Test case 6

Compiler Message

Success

Input (stdin)

1 BANANA

Expected Output

1 Stuart 12

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