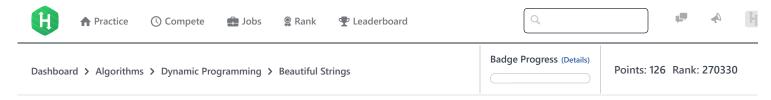
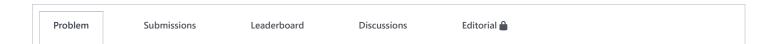
16/11/2017 HackerRank



Beautiful Strings





You are given a string, S, consisting of lowercase English letters.

A string is beautiful with respect to S if it can be derived from S by removing exactly 2 characters.

Find and print the number of different strings that are beautiful with respect to S.

Input Format

A single string of lowercase English letters denoting $oldsymbol{S}$.

Constraints

- $3 \le |S| \le 10^6$
- $3 \leq |S| \leq 20$ holds for test cases worth at least 15% of the problem's score.
- $3 \le |S| \le 2000$ holds for test cases worth at least 30% of the problem's score.

Output Format

Print the number of different strings that are beautiful with respect to S.

Sample Input

abba

Sample Output

4

Explanation

$$S = \{abba\}$$

The following strings can be derived by removing $oldsymbol{2}$ characters from $oldsymbol{S}$: ab, bb, ba, ab, ba, aa, and bb.

This gives us our set of *unique* beautiful strings, $B = \{ab, ba, aa, bb\}$. As |B| = 4, we print 4.

```
Current Buffer (saved locally, editable)  

I v import java.io.*;
import java.util.*;
import java.text.*;
import java.math.*;
import java.util.regex.*;

public class Solution {
```

Submissions: 728

Max Score:80 Difficulty: Hard

Rate This Challenge: ☆ ☆ ☆ ☆ ☆ ☆

More

16/11/2017 HackerRank 9 ▼ public static void main(String[] args) { 10 ▼ /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */ 11 } 12 } 13 Line: 1 Col: 1 Test against custom input Run Code Submit Code **1** Upload Code as File

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