

Asper reaps pears!

ZPRAC-16-17-Lab6

[30 points]

Now it's time to hit the next person on the list, Harpreet. Harpreet recently read a couple of Ankit Fadia's hacking books and now he thinks he can penetrate FBI's network. Rohan and Bhuvesh know that Harpreet is just a script kiddie and need your help in cracking into Harpreet's slightly secure computer.

Harpreet has set up a password for his computer, but his computer can be accessed if you enter a string which is the anagram of his password.

Given Harpreet's password and a string which we are going to use to crack his system, you need to tell Rohan and Bhuvesh if their string will pass as Harpreet's password (i.e. the string is an anagram of Harpreet's password).

Print PASS if that string can help you gain access to his computer, print FAIL otherwise.

A string 's' is an anagram of string 'p' if the string 's' can be constructed by shuffling the characters of 'p'.

Input:

First line contains Harpreet's password 'p' terminated by a '\n'

Second line contains a string 's' which needs to be checked, terminated by a '\n'

Output:

PASS if 's' is an anagram of 'p', FAIL otherwise.

Example:

Input:

mango

omagn

Output:

PASS

Input:

hollymolly

ollywolly

Output:

FAIL

Constraints:

$1 \leq \text{length of both strings} \leq 100000$

Both strings are made of {a-z}