

The Absurd

ZPRAC-16-17-Lab6

[40 points]

Rohan and Bhuvesh are very happy with your work so far. Suddenly they get an email from Vpn that the IITK email server is about to crash. There is an outburst of traffic and he wants their help in figuring out what's wrong and fixing it.

Rohan and Bhuvesh analyse the situation and realise there are too many emails being sent to the Philosophy department. The inboxes of Philosophy professors are being flooded by queries regarding philosophical theories and course requests from a single individual. The individual is our very own Rachita. The administration wants to punish the guilty, but since Rachita is Bhuvesh and Rohan's friend they just decide to hack into her email account and lock her out.

Luckily, Bhuvesh stumbled upon a string that contains Rachita's password as a substring. Given the string, we know that Rachita's password is the largest palindrome substring of that string. You just need to find the length of Rachita's password. A substring of a string is a contiguous sequence of characters present inside the string.

Input:

A string made up of {a-z}{A-Z}{0-9} terminated by a '\n'

Output:

Length of the largest substring which is a palindrome

Example:

Input:

ABbdbBGC

Output:

5

Explanation:

BbdbB is the largest palindrome substring and its length is 5.

Constraints:

$1 \leq \text{Length of string} \leq 10^4$

