

# Sudhir Loves Programmer Strings

A programmer string contains letters that can be rearranged to form the word 'programmer' and is a substring of a longer string. Note that the strings 'programmer', 'grammproer', and 'xprozmerqgram' are all classified as programmer strings by this definition. Given a string, determine the number of indices that lie between the two shortest programmer strings that it contains.

## Example

s = 'programmerxxxprozmerqgram'

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
p	r	o	g	r	a	m	m	e	r	x	x	x	p	r	o	z	m	e	r	q	g	r	a	m

In this example, indices 0 - 9 form one programmer string and indices 13 - 24 contain another. The number of indices between the programmer strings are 3, thus the function will return 3.

## Input Format

A single string consisting of two or more programmer strings

## Constraints

- String s consists of lowercase English alphabetic letters only, `ascii[a-z]`.
- $1 \leq \text{length of } s \leq 105$ .

## Output Format

The number of indices which are between the two shortest programmer strings within s

## Sample Input 0

programmerrxprogrammer

## Sample Output 0

2