Python Problem Statement (Smallest Substring)

You are given a string **S** made of lowercase English alphabets. Find the length of the smallest substring with the maximum number of distinct characters.

Input format

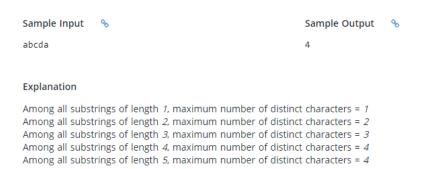
The only line of input consists of a string made of lower case English alphabets.

Output format

Print the required answer.

Constraints

 $1 \leq |S| \leq 10^5$ where *S* denotes the length of the string *S*.



Host your submission on a platform of your choice(Heroku, git, aws) and paste the link in google form