#include <stdio.h>

#include <string.h>

#include <stdlib.h>

int in(char ch, char a[], int b){

int i=0, c=-1;

while(i<b){

if(a[i]==ch){

c=i;

break;

}

else

i++;

}

return c;

}

int lengthOfLongestSubstring(char \* s){

int a=0;

char arr[100];

int max=0;

memset(arr, '\0', sizeof(arr));

for(int i=0; i<strlen(s); i++){

if(a!=0){

int c=in(s[i], arr, a);

if(c!=-1){

if(max<strlen(arr))

max=strlen(arr);

while(i<strlen(s) && c!=-1){//abcabdbde

i++;

c = in(s[i], arr, a);

}

i=i-1;

char chk=s[i];

i=i-1;

while(chk!=s[i]){

i--;

}

// printf("%d %d\n", c, i);

a=0;

memset(arr, '\0', sizeof(arr));

}

else{

arr[a++]=s[i];

}

}

else{

arr[a++]=s[i];

}

}

if(max<strlen(arr))

max=strlen(arr);

return max;

}

int main()

{

char \*s = "pwwkew";

int res = lengthOfLongestSubstring(s);

printf("\n%d", res);

}