NO\_OF\_CHARS = 256

Def max\_distinct\_char(str, n):

Count = [0] \* NO\_OF\_CHARS

For i in range(n):

Count[ord(str[i])] += 1

Max\_distinct = 0

For i in range(NO\_OF\_CHARS):

If (count[i] != 0):

Max\_distinct += 1

Return max\_distinct

Def smallesteSubstr\_maxDistictChar(str):

N = len(str) # size of given string

Max\_distinct = max\_distinct\_char(str, n)

Minl = n # result

For i in range(n):

For j in range(n):

Subs = str[i:j]

Subs\_lenght = len(subs)

Sub\_distinct\_char = max\_distinct\_char(subs,

Subs\_lenght)

If (subs\_lenght < minl and

Max\_distinct == sub\_distinct\_char):

Minl = subs\_lenght

Return minl

If \_\_name\_\_ == “\_\_main\_\_”:

Str = input()

L = smallesteSubstr\_maxDistictChar(str);

Print(l)

**Input** – abcda

**Output - 4**