

MNC COMPANIES - SET 001Solved Challenges **0/10**[Back To Challenges List](#)**Grouping Colorful LEDs****ID:12057 Solved By 156 Users****Accenture**

The program must accept the names of the colors in an LED serial set as the input. The program must find the number of groups of LEDs having the same color at the beginning and the end in the given LED serial set. Also consider each LED in the given LED serial set as a group. Finally, the program must print the number of groups of LEDs as the output.

Boundary Condition(s):

1 <= Length of each color's name <= 20

Input Format:

The first line contains a space separated string values representing the names of the colors in an LED serial set.

Output Format:

The first line contains the number of groups LEDs having the same color at the beginning and the end in the given LED serial set.

Example Input/Output 1:

Input:

Red Blue Green Blue

Output:

5

Explanation:

The **5** groups of LEDs are given below.

Red

Blue

Green

Blue

Blue Green Blue

Example Input/Output 2:

Input:

Yellow Red Yellow Green Blue Yellow Green

Output:

11

Explanation:

The **11** groups of LEDs are given below.

Yellow

Red

Yellow

Green
Blue
Yellow
Green
Yellow Red Yellow
Yellow Red Yellow Green Blue Yellow
Yellow Green Blue Yellow
Green Blue Yellow Green

Max Execution Time Limit: 50 millisecs

Ambiance

Python3 (3.x) ▾



Reset

```
1 import sys
2 sys.setrecursionlimit(5000)
3 count = 0
4 arr = list(input().strip().split())
5
6 def serials(arr,start,end):
7     global count
8     if(end==len(arr)):
9         return
10    elif(start>end):
11        return serials(arr,0,end+1)
12    else:
13        if(arr[start] == arr[end]):
14            count+=1
15        return serials(arr,start+1,end)
16
17 serials(arr,0,0)
18 print(count)
```

Code did not pass the execution

— ×



You have used **2** reveals out of **3** in the past 7 Days.

Input:

White White White Yellow Purple Orange Blue Yellow Yellow Green Pink White Blue Red Purple Red Red Yellow Purple Purple Pink Red Orange Yellow Red Yellow Red Purple Red Orange Yellow Red Green Yellow Orange Yellow Red White Yellow Blue Green Red Blue Purple Blue Blue Blue Yellow Red Pink Pink Green Blue Blue Green Green Blue Pink Blue Green Pink Pink Green Green Red White Green White Pink Red Blue Purple Purple Purple Green Yellow Yellow Blue Yellow Purple Pink Pink Blue Orange Pink Yellow Green Blue Pink White White Blue Yellow Yellow Blue Green Purple Red Pink Yellow

Expected Output:

737

Your Program Output:

```
Traceback (most recent call last):
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
[Previous line repeated 24 more times]
  File "Hello.py", line 11, in serials
    return serials(arr,0,end+1)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
[Previous line repeated 29 more times]
  File "Hello.py", line 11, in serials
    return serials(arr,0,end+1)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
[Previous line repeated 30 more times]
  File "Hello.py", line 11, in serials
    return serials(arr,0,end+1)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
  File "Hello.py", line 15, in serials
    return serials(arr,start+1,end)
[Previous line repeated 31 more times]
  File "Hello.py", line 11, in serials
    return serials(arr,0,end+1)
```

File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 32 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 33 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 34 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 35 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 36 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 37 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)

File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 38 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 39 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 40 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 41 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 42 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 43 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 44 more times]
File "Hello.py", line 11, in serials

```
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 45 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 46 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 47 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 48 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 49 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 50 more times]
File "Hello.py", line 11, in serials
return serials(arr,0,end+1)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
```

```
return serials(arr,start+1,end)
File "Hello.py", line 15, in serials
return serials(arr,start+1,end)
[Previous line repeated 11 more times]
File "Hello.py", line 8, in serials
if(end==len(arr)):
RecursionError: maximum recursion depth exceeded while calling a Python object
```

1 Private (Hidden) Test Cases Failed.

10 Passed

1 Failed

MEM: 0.09765625 MB CPU: 0.01

Save

Run

☐ Run with a custom test case (Input/Output)