InfyTQ SET 002

Solved Challenges 1/5



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Largest Even Number

ID:10564 **Solved By 252 Users**

InfyTQ

A string **S** which contains digits as well as non-digits is passed as the input. The program has to find the largest even number E that can be formed from the available digits after removing the duplicates(removing repeated digits). If it is not possible to form an even number then the program must print -1.

Boundary Condition(s):

1 <= Length of S <= 100

Input Format:

The first line contains S.

Output Format:

The first line contains E or -1.

Example Input/Output 1:

Input:

%#36%#%6ab66

Output:

36

Explanation:

After removing duplicates we have **3** and **6**. So **36** is the largest even number that can be formed.

Example Input/Output 2:

Input:

%e#2393#@i

Output:

932

Example Input/Output 3:

Input:

%e#5393#@i

Output:

-1

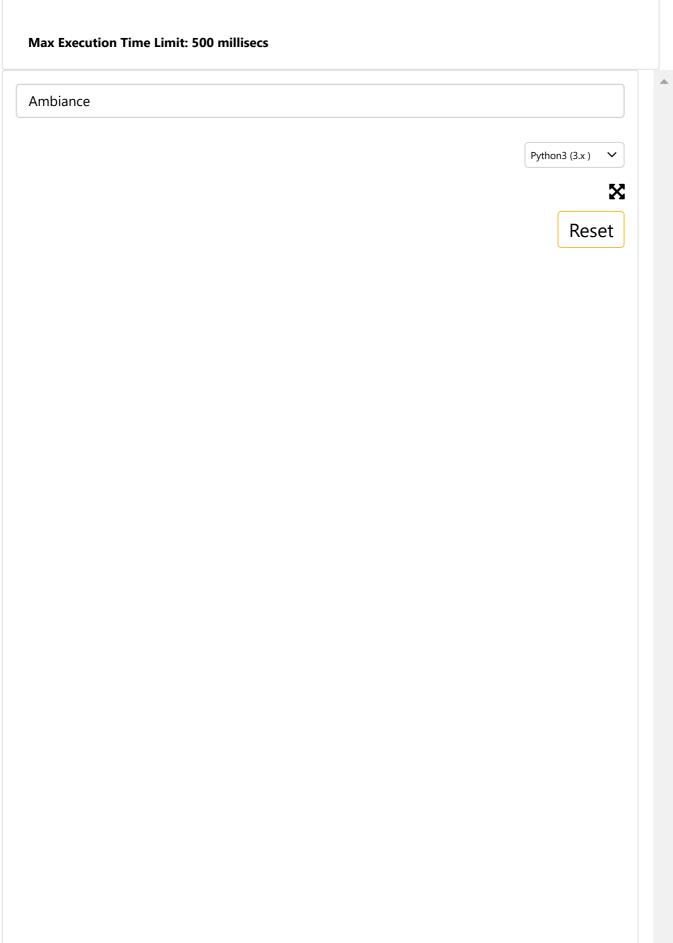
Example Input/Output 4:

Input:

%e#66#@66666i

Output:

·= ·	po///
Example Input/Output 5: Input: %e#66#@6600666i007	
Output: 760	
Max Execution Time Limit: 500 i	millisecs



```
string = input().strip()
 1
 2
 3
   visited = []
 4
   new=""
 5
 6
   for char in string:
        if((char>="0" and char<="9")):
 7
 8
            if(char not in visited):
 9
                visited.append(char)
10
                new +=char
11
12
13
   new arr = [n for n in new]
14
   new arr.sort(reverse=True)
   last = ""
15
16
   count=0
   for index in range(len(new_arr)-1,-1,-1):
17
        if(int(new_arr[index])%2==0):
18
19
            last = str(new arr[index])
20
            break
21
        else:
22
            count+=1
23
            continue
24
25
   if(len(new arr)==count):
        print(-1)
26
27
        exit()
28
29
   new arr.remove(last)
30
   new_arr+=last
31
32
   for char in new arr:
        print(char, end="")
33
34
35
36
37
38
39
```

