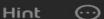
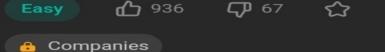
1903. Largest Odd Number in String







You are given a string num, representing a large integer. Return the largestvalued odd integer (as a string) that is a non-empty substring of num, or an empty string "" if no odd integer exists.

A substring is a contiguous sequence of characters within a string.

Example 1:

```
Input: num = "52"
Output: "5"
Explanation: The only non-empty substrings are "5",
"2", and "52". "5" is the only odd number.
```

Example 2:

```
Input: num = "4206"
Output: ""
Explanation: There are no odd numbers in "4206".
```

Example 3:

```
Input: num = "35427"
Output: "35427"
Explanation: "35427" is already an odd number.
```

Constraints:

- 1 <= num.length <= 10⁵
- num only consists of digits and does not contain any leading zeros.

```
Accepted 65.5K
                  Submissions 115.5K Acceptance Rate 56.7%
```

```
class Solution {
public:
    string largestOddNumber(string num) {
        int i=num.length()-1;
        int n=num.length():
```

```
while(i >= 0){
         if((num[i]-48)\%2==1){
            num.erase(i+1,n-(i+1)); (or) num resize (i+1)
             return num;
                                      Both functions complexity
                                   are O(n) only where n
                                   is size of new array.
      return "";
                         (n)
};
```

resize (K):

The resize function makes the array to be size k starting from index o and if k is less than the initial array size then remaining elements are set to '10'.

erase (m,n):

The 'm' denotes the index from which

and 'n' denotes the elements needs to be erased and 'n' denotes no of elements to be erased. the

note:

we can also pop-back if we slightly modify the code.

nums. pop-back()
else
return nums

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