6166. Largest Palindromic Number

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You are given a string `num` consisting of digits only.

Return *the **largest palindromic** integer (in the form of a string) that can be formed using digits taken from* `num`. It should not contain **leading zeroes**.

Notes:

- You do **not** need to use all the digits of `num`, but you must use **at least** one digit.
- The digits can be reordered.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:

```
Input: num = "444947137"
Output: "7449447"
Explanation:
Use the digits "4449477" from "444947137" to form the palindromic integer "7449447".
It can be shown that "7449447" is the largest palindromic integer that can be formed.
```

Example 2:

```
Input: num = "00009"
Output: "9"
Explanation:
It can be shown that "9" is the largest palindromic integer that can be formed.
Note that the integer returned should not contain leading zeroes.
```

Constraints:

- `1 <= num.length <= 10^5`
- `num` consists of digits.

JavaScript

```javascript
const counter = (a_or_s) => { let m = new Map(); for (const x of a_or_s) m.set(x, m.get(x) + 1 || 1); return m; };
const removeOneOrManyMap = (m, x, cnt = 1) => { let occ = m.get(x); occ > cnt ? m.set(x, occ - cnt) : m.delete(x); };
const stmkey_de = (m) => new Map([...m].sort((x, y) => y[0] - x[0]));

const largestPalindromic = (s) => {
    let m = counter(s), L = '', R = '';
    m = stmkey_de(m);
    // pr(m)
    for (const [c, occ] of m) {
        if (occ >= 2) {
            let use = occ & 1 ? occ - 1 : occ, cur = c.repeat(use / 2);
            // pr(c, use)
            if (L.length == 0 && c == '0') continue;
            L += cur;
            R = cur + R;
            removeOneOrManyMap(m, c, use);
        }
    }
    // pr("L", L, "R", R, m)
    if (m.size > 0) {
        let middle = m.keys().next().value;
        return L + middle + R;
    }
    return L + R;
};
```

Custom Testcase Use Example Testcases

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Submission Result: Accepted (/submissions/detail/779084299/) More Details (/submissions/detail/779084299/)

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